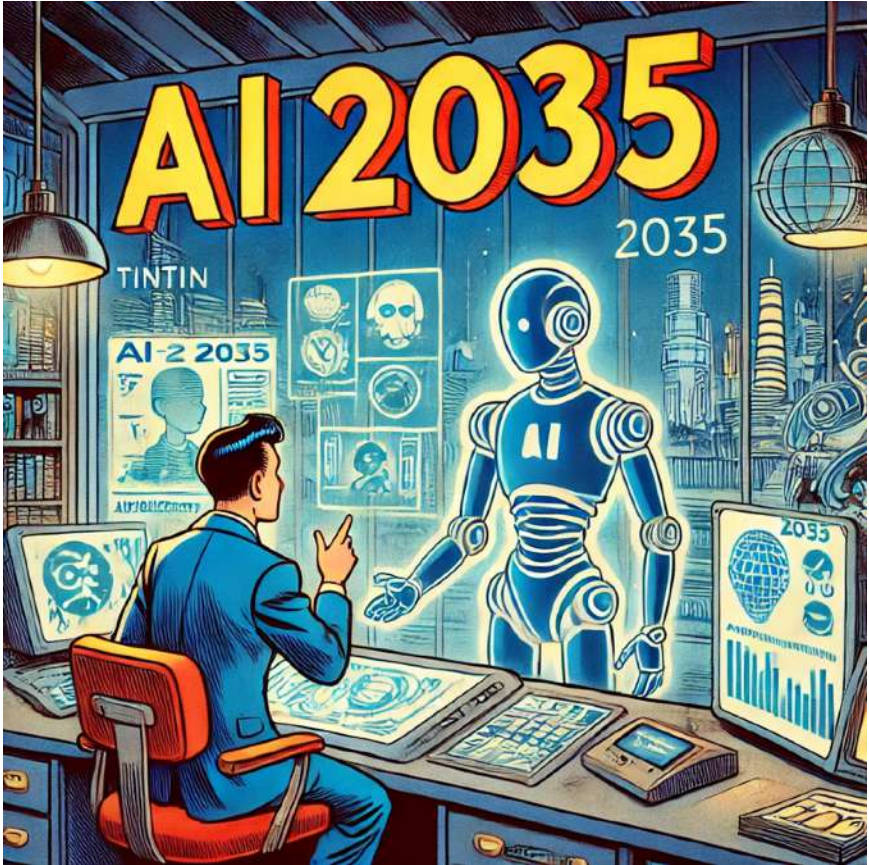


# AI 2035



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## **Dedication**

*To the epic tales and boundless universes that ignited my imagination, this series is dedicated to the visionary worlds of Battlestar Galactica, Isaac Asimov's Foundation series, and Star Trek.*

*Your narratives have not only entertained but have also inspired countless hours of daydreaming and late-night musings about AI, space exploration, and the future of humanity.*

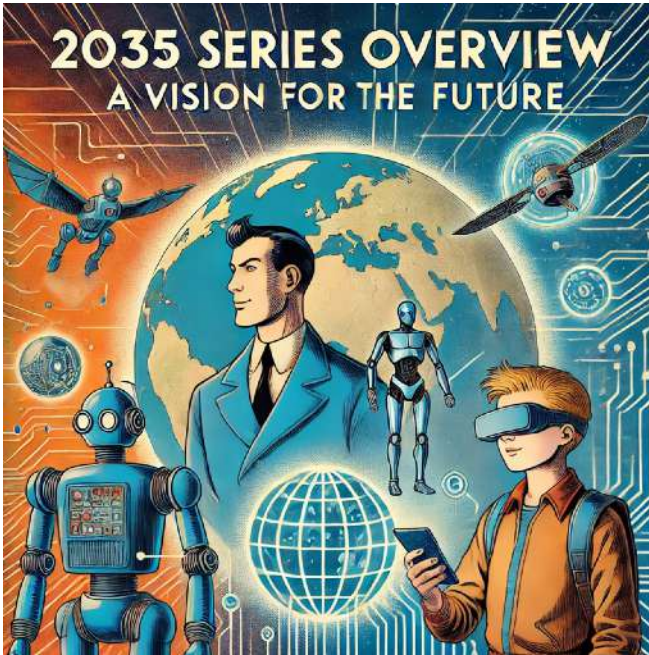
*Your intricate world-building has taught me that no detail is too small, no plot twist too grand. May this series honor your legacy and spark the same curiosity and wonder in others that you have kindled in me.*

*To my incredible family—my wife, whose patience and support know no bounds, even when I rambled about Cylons and warp drives; my children, whose questions about robots and space made bedtime stories an adventure of their own and sometimes more complicated than a quantum physics lecture; my parents, for encouraging my love of science fiction from a young age and not minding when I turned the living room into a command center; and my in-laws, for always cheering me on, even when I explained the plot of my latest book at family dinners. A special shout-out to my friends and the brilliant minds at InGen Dynamics—thank you for tolerating my endless geeky references, my tendency to speak Klingon during meetings, and for being my partners in turning sci-fi dreams into reality.*

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# THE 2035 SERIES: A VISION FOR THE FUTURE

## Introduction: Envisioning 2035



By 2035, the fabric of daily life was unrecognizable to anyone who had lived through the early years of the 21st century. The convergence of artificial intelligence, robotics, automation, and reimagined education systems had turned the ordinary into the extraordinary. Yet, this future was not

born from the seamless implementation of technology alone. It had emerged from years of debate, trial, and error—a battle between innovation and the preservation of humanity’s most vital qualities.

Picture this: in a remote Kenyan village, Amina places a lightweight augmented reality headset on her daughter, who is eager to begin her virtual lesson on the ancient civilizations of Mesopotamia. Thousands of miles away in Silicon Valley, a robotics engineer named Aaron remotely supervises an AI-driven manufacturing plant in Kuala Lumpur, watching in real-time as robotic arms assemble intricate components faster and more precisely than any human team ever could. Meanwhile, deep in Antarctica, a fleet of autonomous drones collects climate data, predicting patterns that could mitigate the devastating effects of global warming.

In many ways, the story of 2035 is one of connection—between humans, between nations, and between humanity and the intelligent systems we’ve built to assist us. But that connection wasn’t always smooth. To appreciate the world of 2035, one must first rewind to the inflection points that defined its trajectory. These moments were marked not by technological marvels alone, but by the choices humanity made in response to them.

## **Historical Turning Points: The Road to 2035**

The seeds of this new world were planted in the 20th century. In 1961, General Motors introduced Unimate, the first industrial robot, into its assembly line. It was an unwieldy, clunky machine by modern standards, yet it symbolized a fundamental shift: machines that didn’t just assist humans but began to replace them in repetitive, hazardous tasks.

By 2011, IBM's Watson made headlines for defeating two human champions on the quiz show Jeopardy! This wasn't merely an entertainment spectacle. It was a moment when artificial intelligence demonstrated its ability to process and understand vast amounts of unstructured information, laying the groundwork for the AI revolution of the following decades.

Then came 2023, a year that historians would later call the "Generative Leap." OpenAI's language models, Google's DeepMind advancements, and breakthroughs in generative design allowed machines to create in ways previously thought to be uniquely human. These developments didn't just enhance industries; they redefined what machines—and by extension, humans—were capable of.

But for all the promise these innovations brought, they also highlighted the tensions inherent in rapid technological change. By 2025, debates about AI governance, the role of automation in job displacement, and the ethical dilemmas surrounding autonomous systems had reached a fever pitch. In the United States, for example, the introduction of self-driving freight vehicles sparked protests across the trucking industry, displacing hundreds of thousands of drivers. In India, an experimental AI-led irrigation system saved millions of gallons of water during one of the country's worst droughts, proving how automation could solve global challenges. And in Japan, where an aging population strained social systems, humanoid robots filled roles as caregivers, offering companionship and support to the elderly. These events were not isolated—they were snapshots of a world adapting to forces that simultaneously empowered and challenged it.

## **The Four Pillars of the 2035 Series**

This book series delves into four interlocking areas where the most profound transformations unfolded: artificial



intelligence, automation, robotics, and education. Each area brought unique challenges, yet their integration defined the story of humanity's future.

## **Artificial Intelligence: The Brain of the Future**

AI became the brain powering industries, homes, and even individual lives. It analyzed patterns in everything from healthcare to climate change, offering solutions that were as precise as they were scalable.

## **Automation: Efficiency Redefined**

Automation eliminated drudgery but also transformed the very concept of work. By 2030, over 50% of the world's agricultural output was managed by AI-driven systems. Yet, this efficiency came with trade-offs. In rural Kansas, farmers who once toiled in fields now monitored drone fleets from control hubs. Their pride in production was tempered by a longing for the tactile connection they once had with their land.

## **Robotics: Partners and Pioneers**

Robots didn't just fill gaps in labor; they explored frontiers humans couldn't. From the deep seas to the surface of Mars, robots acted as our hands and eyes in places we could not go. Yet, their presence also raised questions. When an autonomous rover made a critical error during a Europa mission in 2029, it sparked a global debate about accountability in robotic decision-making.

## **Education: Learning Reimagined**

Education became the linchpin of adaptation. By 2035, immersive AR and VR classrooms brought the world's knowledge to every corner of the globe. A child in Guatemala could explore the Pyramids of Giza alongside a classmate in

Singapore, yet disparities remained. The digital divide persisted, and debates over data privacy in AI-driven education systems underscored the need for vigilance.

## **The Human Element: Why This Series Matters**

While these advancements may sound like the triumph of machines, they are, at their core, a testament to humanity's resilience and adaptability. This series isn't just about technology; it's about the people who shape and are shaped by it. It's about Priya, an AI ethicist in Mumbai, who fights to ensure that algorithms reflect diverse perspectives. It's about Miguel, a mechanic in Mexico City, who reinvents himself as a renewable energy technician at 52. And it's about Aisha, a teenager in Nairobi, who learns to navigate a globalized world through the lens of a virtual reality headset.

At its heart, the 2035 Series is a story of choice. As machines become more intelligent, humans must decide how to wield this power responsibly. Will we use AI to heal divisions or deepen them? Will robots amplify human creativity or replace it? And will automation free us from toil or alienate us from purpose?

By exploring these questions through narrative and analysis, the 2035 Series invites readers to imagine a future that is not preordained but shaped by the decisions we make today. It is a journey into the possibilities of tomorrow, grounded in the realities of our shared humanity.

# WHY THE AUTHOR HAS COME UP WITH THIS BOOK

## Why This Book, Why Now

In 2035, the world stands at the crossroads of extraordinary technological evolution and the enduring need for human-centered progress. Arshad Hisham, an innovator, entrepreneur, and thought leader, has spent decades navigating these crossroads, shaping a future where artificial intelligence, automation, robotics, and education converge.

The ideas in this book are not simply projections of what could be; they are the result of hard-earned experience, ethical reflection, and an unyielding drive to align innovation with humanity's greatest challenges.

Arshad's story begins not in the gleaming tech campuses of Silicon Valley but in the vibrant yet complex landscapes of the Middle East and India. Growing up in environments that straddled traditional cultures and emerging modernity, he understood early on how technology could be both a bridge and a barrier. This duality has driven his career: from the assembly lines of Toyota to the research labs of IBM, from government initiatives in Australia to founding InGen Dynamics, a company at the forefront of AI and robotics.

This book is an invitation to explore the transformative power of these technologies while grappling with their societal implications. Drawing inspiration from milestones like the launch of the Unimate robot in 1961, which heralded the automation of industry, and IBM Watson's victory on Jeopardy! in 2011, which showcased the potential of machine intelligence, Arshad dives deep into the breakthroughs, setbacks, and ethical dilemmas that have defined this century of innovation.

But this is more than a retrospective. It's a roadmap for navigating the world ahead. As someone who has negotiated multi-million-dollar exits, built startups from scratch, and advised some of the most forward-thinking organizations globally, Arshad writes not as a theorist but as a practitioner. His unique lens blends visionary foresight with a deep understanding of the ground realities faced by educators, policymakers, business leaders, and everyday citizens.

Arshad believes that artificial intelligence is more than a tool; it is a mirror reflecting humanity's values, biases, and aspirations. This belief underpins the ethos of the book: technology must not only advance; it must advance responsibly. Through narratives of breakthroughs—such as the 2024 debut of Tabletop Aido, a robot designed to address labor shortages—and anecdotes of collaboration, such as his work with underserved communities to democratize technology, Arshad paints a future that is both inspiring and cautionary.

## **A Vision Rooted in Humanity**

Arshad's work reflects an unwavering commitment to the idea that technology should empower, not alienate. This principle extends to his work in education. When the pandemic of the early 2020s forced a rapid shift to online learning, Arshad saw both the potential and the pitfalls of virtual education. He developed Futureonauts, a curriculum

that reimagines how engineering students learn AI and robotics. Taught at top universities worldwide, the program emphasizes not just technical skills but the ethical considerations necessary for responsible innovation. What drives Arshad's vision is a simple but profound belief: that technology should serve the many, not the few.

This philosophy has informed his work with communities in rural India, where he championed projects to bring affordable automation to small-scale farmers. By integrating AI with traditional farming practices, these projects didn't just boost yields—they preserved livelihoods and cultural heritage.

### **Bridging the Gap Between Vision and Action**

For all the optimism in this series, it is not blind to the challenges. The rise of AI and automation has been accompanied by significant disruptions.

One of the book's central themes is accessibility. Arshad critiques the stark inequalities in technological access, which became glaringly evident during the pandemic. While children in affluent cities learned through AR and VR classrooms, students in underserved regions struggled with basic internet connectivity. His advocacy for equitable education isn't theoretical—it's grounded in his projects to deploy learning hubs in parts of Sub-Saharan Africa and South Asia.

## PROLOGUE: THE DAWN OF AI'S GOLDEN AGE

The year was 2035, and humanity stood at the precipice of a new reality. Cities, once clogged with fossil-fueled chaos, now hummed in quiet harmony as fleets of autonomous electric vehicles glided through streets. In rural landscapes, fields that had lain barren for decades thrived under the meticulous care of drones, their synchronized movements ensuring that every drop of water and ounce of fertilizer was optimized. Homes had become sentient partners in daily life, where AI assistants didn't just turn off lights or remind their owners of meetings—they anticipated needs, solved problems, and sometimes even comforted.

At first glance, it appeared as though humanity had conquered some of its greatest challenges. Hunger was retreating, curable diseases had been nearly eradicated, and education reached remote corners of the globe through virtual classrooms and intelligent tutors. Yet, beneath this gleaming surface, tensions brewed.

What were the trade-offs of this apparent utopia? Who decided the moral boundaries for machines capable of making decisions? What happened to the jobs, traditions,

and identities that had been displaced in this race toward the future?

The world had always been shaped by its tools, from the plow to the printing press, but artificial intelligence was something else entirely. It wasn't just a tool; it was a collaborator, a partner, and in some cases, a decision-maker.

In a quiet Kenyan village, a girl named Aisha learned about the Roman Empire through augmented reality glasses. Her lessons felt as real as the leaves rustling in the wind around her. In bustling Mexico City, Javier worked on a drone that could navigate urban canyons, receiving guidance from an AI tutor that adjusted to his level of expertise. In Seoul, a woman named Soo-min sat anxiously outside her son's classroom, wondering if the AI-powered curriculum was truly preparing him for life or merely programming him to follow algorithms. These moments, ordinary yet extraordinary, were the manifestations of a profound shift in human history.

Yet the roots of this transformation reached back further than most realized. In 1956, the term "artificial intelligence" was coined at Dartmouth College, where a handful of visionaries dared to imagine machines that could mimic human thought. By the late 20th century, AI seemed poised to change the world, yet progress was often slow and sporadic. Then, in 2012, a breakthrough in machine learning—sparked by Geoffrey Hinton's work on neural networks—ignited the AI renaissance. By the 2020s, tools like OpenAI's GPT models could write essays, generate art, and converse with startling fluency, blurring the line between human and machine creativity.

But with every leap forward, society was forced to wrestle with new questions. When AlphaZero, a chess-playing AI, defeated human champions not through mimicry but by inventing strategies no one had seen before, it became clear that AI wasn't just replicating intelligence; it was reinventing

it. By 2025, autonomous vehicles had begun to reshape cities, but controversies erupted when accidents occurred. Who was to blame when an algorithm made a fatal decision?

These moments were not just technological; they were philosophical. What did it mean to trust a machine? How much autonomy could humanity afford to cede before losing something essential about itself? These questions lingered, unresolved, as AI swept across industries, cultures, and daily life.

This book is a story about those questions and the people living through their consequences. It is about the engineers who built these systems, the policymakers who struggled to regulate them, the teachers who tried to integrate them into classrooms, and the students who grew up with AI as a constant presence. It is about the promise and peril of a world where machines could augment human potential—or undermine it.

The dawn of AI's golden age is upon us. It is not merely a chapter in history but the prologue to a future that we are still learning to navigate. The choices made today—by governments, corporations, educators, and individuals—will echo for generations. This is the story of how humanity embraced, resisted, and ultimately redefined its relationship with the most transformative technology of its time.



## FOREWORD: WHY THIS BOOK, WHY NOW

As the clock struck midnight on New Year's Eve in 2030, an AI system somewhere in the world was making predictions about the next decade. It analyzed millions of data points, tracking trends in global health, climate change, and education. It noted the adoption of electric vehicles in India, the proliferation of drones in Africa, and the growing reliance on AI tutors in the Americas. What it couldn't predict, however, was how humanity would respond to the tools it was creating.

By 2035, artificial intelligence had become ubiquitous, touching nearly every aspect of human life. From diagnosing cancer to composing symphonies, AI wasn't just assisting humanity—it was becoming a partner. Yet, despite its achievements, AI was poorly understood by the very people who depended on it. Its power, concentrated in the hands of a few, raised ethical dilemmas that went beyond the technical.

This book seeks to illuminate the complex relationship between humanity and artificial intelligence. It combines narrative storytelling with rigorous analysis, capturing the voices of those who live at the crossroads of technology and society. From engineers in Silicon Valley to farmers in rural India, from policymakers in Brussels to teachers in Ghana,

the stories in these pages reflect a world grappling with its own transformation.

The structure of this book mirrors the dual nature of its subject. Each chapter begins with a story—a window into the lived experience of AI's impact. These stories are not just anecdotes; they are catalysts for deeper discussions about ethics, governance, equity, and innovation. By blending human narratives with technical exploration, the book aims to make AI accessible to all readers, whether they are experts, skeptics, or the merely curious.

Why now? Because the decisions being made today will define the trajectory of AI for decades to come. Will it amplify human creativity or entrench inequality? Will it democratize knowledge or commodify it? The answers to these questions depend not just on technologists but on educators, parents, workers, and leaders from every corner of the world.

This is not a book about AI alone. It is a book about humanity—our fears, our ambitions, and our capacity to shape the tools that shape us. It is a call to action for thoughtful collaboration and ethical innovation, urging us to build a future where technology serves humanity's highest aspirations, not its darkest impulses.

The journey begins now, not in some distant laboratory, but in the choices we make every day.

## CHAPTER 1: THE STATE OF AI IN 2025

### Maya and the Drought

The room vibrated with a quiet tension, the low hum of servers creating an almost meditative rhythm as Maya adjusted her chair. She stared at the monitor in front of her, the flicker of red alerts reflecting in her glasses. The air felt heavy, not from the equipment around her, but from the weight of what she was seeing. On the screen, satellite images showed shrinking water reservoirs, their outlines a shadow of their former selves. Soil moisture levels had dropped to critical thresholds, and rainfall projections were grim.

She tapped a few keys, zooming in on a small cluster of villages. Vekalpura. It was the kind of place that didn't make headlines, a sun-scorched patch of land tucked into the Deccan Plateau. But Maya's AI model had flagged it as a ticking time bomb. If the predictions were right—and they usually were—Vekalpura would lose its crops within weeks.

“Sanjay,” Maya called out, her voice sharp enough to cut through the soft hum.

Sanjay ambled over, steaming chai in hand. His easy demeanor evaporated as soon as he leaned over her desk.

“Seventy percent less rainfall,” he murmured, scrolling through the data. “Critical soil moisture. If this holds, it’s catastrophic.”

Maya nodded. “We’ve cross-validated across three independent datasets. It’s not a glitch.”

He rubbed his temples, the faint lines on his forehead deepening. “If we overreact and the model’s wrong, we’ll lose trust. NGOs, policymakers—they’re already cautious about relying on AI for decisions like this.”

“And if we do nothing?” Maya’s voice was calm but resolute.

He didn’t answer. He didn’t have to.

Maya turned back to the screen, her fingers moving with precision as she began drafting emails to local authorities and NGOs. Relief efforts would need to mobilize immediately—water tankers, irrigation specialists, perhaps even drones to drop emergency supplies.

As the control room emptied out for the night, Maya stayed behind. She stared at the glowing map of the region, her thoughts racing. How many other Vekalpuras were out there? Villages on the edge of disaster, invisible to the untrained eye, and maybe even to her algorithm?

When Sanjay paused at the doorway, she spoke softly, almost to herself. “Do you think this is enough? That AI is enough?”

He turned, silhouetted against the glow of the monitors. “AI’s just a tool, Maya. A powerful one. But tools don’t make decisions. People do.”



## The State of AI in 2025

Maya's story is a snapshot of a world in flux. By 2025, artificial intelligence was no longer confined to the realms of research labs or niche applications. It had seeped into the very fabric of life, shaping industries, governance, and the choices people made every day. The technology had matured, but humanity's ability to wield it responsibly remained a work in progress.

Much like the Industrial Revolution of the 18th century, AI's rise came with promises of progress and prosperity, but also with significant disruption. The parallels weren't lost on scholars, many of whom pointed to historical lessons. Just as the steam engine redefined transportation and manufac-

turing, AI was now redefining what it meant to solve problems, from predicting droughts to diagnosing diseases.

But this transformation wasn't smooth or even. History offered cautionary tales, like the infamous Luddites of the 19th century, who destroyed weaving machines out of fear they'd replace human labor. Today's fears about AI displacing workers felt eerily similar. The question wasn't whether the technology could do incredible things—it clearly could—but whether humanity could navigate its ethical and social implications with wisdom.

## **AI as a Partner, Not a Replacement**

The shift toward viewing AI as a collaborator rather than a replacement defined much of its application by 2025. The term “co-pilot AI” became popular, describing systems designed to work alongside humans rather than supplant them.

Take Maya's model, for example. It wasn't just a forecasting tool; it was a collaborator. It processed satellite data, historical rainfall patterns, and soil health metrics, providing insights that would have taken a human team months to analyze. But it didn't replace Maya or her team. It needed human judgment to interpret its findings, to decide when to act and how.

The healthcare industry was another frontier where this partnership flourished. In one remarkable incident in 2024, surgeons in Boston used AI guidance during a procedure to remove a rare tumor. The AI analyzed imaging data in real time, highlighting tissue anomalies that even the lead surgeon hadn't noticed. The operation was a success, but the surgeon later reflected that the AI hadn't replaced his expertise—it had enhanced it.

These systems weren't infallible. In a well-publicized mishap, an AI-powered delivery drone in rural Canada mistakenly dropped medical supplies in a river rather than at a remote clinic. The incident became a rallying cry for skeptics, but it also underscored a critical point: AI wasn't a magic

wand. It was only as effective as the people who built and used it.

## Three Technical Challenges in Plain Language

To truly understand the state of AI in 2025, it's essential to grasp the challenges that came with its rise. Three in particular stood out:

**1.The Black Box Problem:** Maya's model could predict droughts with astonishing accuracy, but it couldn't always explain its reasoning. This lack of transparency—the so-called “black box” problem—made it hard for policymakers to trust AI fully. How do you act on predictions you don't fully understand?

**2. Bias in Data:** Like a mirror, AI reflected the biases of its creators and the data it was trained on. Early predictive policing systems, for instance, disproportionately flagged minority communities, perpetuating systemic injustices. Maya worried her model might inadvertently overlook smaller villages like Vekalpura.

**3.The Energy Cost of AI:** Training large AI models required enormous computational power, consuming as much energy as entire cities. While AI was helping to optimize renewable energy grids, its own environmental footprint posed a paradox.

## A Human-Driven Turning Point

By 2025, it was clear that AI wasn't just a technological revolution—it was a societal one. The Global AI Ethics Consortium (GAIEC) emerged as a key player, advocating for transparency, fairness, and accountability. Public education campaigns aimed to demystify AI, empowering people to engage with it critically rather than fearfully.

For Maya, the turning point wasn't a new algorithm or dataset—it was a shift in focus. Beyond refining her model, she began working directly with local farmers, teaching them how to interpret and act on the predictions. The goal wasn't

just to save Vekalpura; it was to ensure communities could save themselves.

### The Road to 2035

The decade ahead held immense promise and profound challenges. Would AI become the great equalizer, bridging divides and solving humanity’s greatest problems? Or would it exacerbate inequalities, concentrating power and leaving the vulnerable behind?

Maya’s story offers a glimpse of what’s possible when technology and humanity work in tandem. The future of AI isn’t about replacing people—it’s about empowering them. It’s about asking the right questions, making the right choices, and remembering that progress is measured not just in what we build, but in who we uplift along the way.

Because the story of AI isn’t just about machines. It’s about us.





**CHAPTER 2: THE NEXT DECADE: TRANSFORMATIONAL AI**

**CHAPTER 3: AI IN EVERYDAY LIFE BY 2035**

**CHAPTER 4: AI IN BUSINESS AND INDUSTRY**

**CHAPTER 5: AI ETHICS AND GOVERNANCE**

**CHAPTER 6: CHALLENGES AND THREATS**

**CHAPTER 7: THE ROAD AHEAD: COLLABORATION**

**CHAPTER 8: THE FUTURE: A SUSTAINABLE VISION FOR AI**

**EPILOGUE**

**DISCLAIMER**

This book combines forward-looking projections and fictional narratives to explore the potential trajectory of technology and its impact on society. While the scenarios and technologies described are grounded in current research and trends, they are speculative and should not be interpreted as predictions or guarantees of future developments.

Readers should be mindful that the narratives, characters, and events in this book are fictional and intended to illustrate broader themes and concepts. Any resemblance to actual persons, living or dead, or real events is purely coincidental.

The ideas and opinions expressed herein are those of the author and do not necessarily represent the views of any organizations or entities referenced in this work. This book is intended for educational and entertainment purposes and should be approached as a starting point for thoughtful discussion rather than a definitive guide.

May this journey inspire curiosity, dialogue, and a commitment to shaping a future that reflects humanity's highest aspirations.



## **ABOUT ARSHAD HISHAM**

Arshad Hisham is an Advisor, Educator, Managing Consultant, Investor, Engineer, and Inventor with degrees in Business, Engineering, and an MBA. He is a dynamic and driven innovator with a proven track record of exceptional achievements. Over the course of his career, Arshad has transformed simple ideas into multimillion-dollar enterprises, earned worldwide press coverage, and successfully negotiated complex exit sales to billion-dollar global conglomerates.

Arshad has served on advisory councils at leading institutions like Cal State East Bay and as a jury member for the prestigious Edison Awards in the United States. His groundbreaking work in AI, Automation, and Robotics has been featured in major publications, including Fortune, Forbes, Discovery Channel, IEEE, and Popular Science. A

sought-after speaker, Arshad has delivered keynote addresses at global events such as the IEEE Robotics Symposium at Columbia University, the Boston Consulting Group's AI Summit in Chicago, The Walt Disney Company, The City of Tomorrow Summit at 92Y in New York, and the Robo-Business Summit in San Jose.

As a top operations executive and digital transformation leader, Arshad has worked with Silicon Valley high-tech firms and Fortune 50 companies, driving growth and efficiency across industries such as healthcare, retail, hospitality, banking, and large consumer businesses. In addition to his corporate roles, Arshad is a dedicated board member, angel investor, and advisor to emerging technology companies in AI, Automation, Cybersecurity, Blockchain/FinTech, and Robotics. His global impact spans Silicon Valley, India, the UK, and the Middle East, where he has fostered innovation and empowered entrepreneurs.

Arshad's professional journey includes significant contributions during his tenure with IBM, the Government of Australia, and Toyota, where he played key roles in advancing automation and enterprise software development. Between 2008 and 2015, he founded four rapidly growing startups in Enterprise Software, Vehicle Automation, Point-of-Sale Systems, and Online Gaming. Since 2015, as the founder and CEO of InGen Dynamics, he has spearheaded groundbreaking advancements in AI, Education, Automation, and Robotics. The company's innovative products, including Aido, Sentinel, Kaiser.Haus, and Origami, address global challenges such as labor shortages and environmental sustainability. By 2025, the company achieved an \$80M revenue pipeline and successfully deployed Tabletop Aido robots across the United States, London, and the Asia Pacific, with over 750,000 hours of field operations.

Arshad's contributions extend into education, where he developed a comprehensive Engineering Degree curriculum

in AI, Automation, and Robotics for the Futureonauts educational initiative, now taught in top engineering colleges worldwide. His innovations have been referenced by prestigious academic institutions, including MIT, the University of Pennsylvania, and IEEE, and featured in high school textbooks. His profile and company have been highlighted by the American Society of Mechanical Engineers (ASME) and exhibited at world-renowned science museums like the Sheikh Abdullah Al Salem Culture Centre in Kuwait City.

Arshad also serves as an Executive-in-Residence at Cranfield School of Management. A recipient of the Edison Award Silver Medal, he regularly shares his expertise on global podcasts and media outlets, discussing AI, IP, Education, Automation, and Robotics. Arshad Hisham's work reflects a deep commitment to democratizing technology, fostering equity, and designing systems that empower communities worldwide. His journey is not just a story of technological success but one of human ingenuity, ethical responsibility, and an unyielding passion for building a brighter future through innovation.