



EXPLORING THE WORLD OF ARTIFICIAL INTELLIGENCE

With Dr. Aamir Junaid Ahmad

My Journey: From Student to Innovator

School Days

St. Michael's High School, Patna.

Higher Education

MTech - Graphic Era University, Dehradun

MBA - Punjab Technical University

Doctorate

PhD in Computer Science - BIT Mesra

Career

Researcher, Entrepreneur, and Innovator in AI



aamir junaid ahmad news



TED

Ashia

x = independently



INSPIRING

INDIA 2023

PEOPLE WHO CHANGED
THE NARRATIVE



Ratan Tata's Impact

on the Development
of Independent India

ShahRukh Khan

From a shy Delhi boy to the "King of the World"



Also referred to as the "Badshah of Bollywood", "King Khan", and whatnot, Shah Rukh Khan is definitely one of the most celebrated actors, not just in India but across the globe. He has carved an indelible mark in the Hindi film industry with his immaculate talent, relentless dedication, and charm impossible to resist. Born in the narrow, bustling streets of Delhi, Shah Rukh had dreams that were extraordinary and unimaginable for a common man. However, his persistence and the support of his parents nurtured

success on television, Shah Rukh faced numerous challenges when he transitioned to the big screen. He struggled to find significant roles and faced multiple rejections. Regardless of it, he persevered, working relentlessly and refining his skills, determined to make a mark in the film industry.

In 1992, Shah Rukh Khan's hard work and determination paid off when he received his breakthrough role in the movie "Deewana." The film became a commercial success, and ShahRukh's

With every film, Priyanka's talent shone brightly, captivating audiences and critics alike. She pushed boundaries with her powerful performances in movies like Barfi!, Mary Kom, and Bajirao Mastani, which earned her several Filmfare Awards and cemented her position as one of the leading actresses in Bollywood. She became known for making a lasting impact, even with smaller roles and limited screen time.

Priyanka Chopra

Carving Ways With Grit and Grace



Priyanka's ambition didn't stop there. In 2015, she ventured into the challenging landscape of Hollywood, breaking barriers and stereotypes along the way. Her role as Alex Parrish in the popular TV series "Quantico" garnered international acclaim,

the Hindi film industry was met with doubt, as she lacked any background. However, she persevered. With her debut film "The Yearning" in 2003, Priyanka began her journey for herself. She went on to star in several films thereafter including "Krrish." However, her breakthrough came with the critically acclaimed film "Kaho Naa... Hum" in 2006, earning her the National Film Award for Best Actress.

time. Neither facing any amount of criticism nor the box office failures deterred him from continuing to experiment with diverse roles and genres of movies. ShahRukh's triumphant comeback with movies like "Chak De! India," "Om Shanti Om," and "My Name Is Khan," time and again reestablished his position as a formidable actor in the industry. In a time when actors like Hrithik and Tiger are at the top of their action game, he came with Pataaen without any fear of comparison and broke all the records as well as notions attached to his acting and personality.

Apart from his acting prowess, Shah Rukh Khan is also a successful businessperson and host. He has hosted various shows like "Kaun Banega Crorepati," "Kya Aap Panchvi Pass Se Tezz Hain," and "Ted Talks". He has also proved his mettle as the best award show host. As a businessperson, he co-owns the Kolkata

Stand by what you

the challenges she faced. The most unexpected amongst all was her performance on The Johns Brothers Family Roast where she roasted her husband, Nick Jonas and his brothers with immaculate comic timing. She also signed in to be a creative collaborator with David Rubin and Manesh Goyal for Sana, an Indian Restaurant in NYC. Time and again, Priyanka has proved that her talents extend far beyond the silver screen.

Priyanka Chopra's journey of determination, resilience, shattered glass ceilings, and the way for future generations have huge aspirations as an unwithered dedication to adapt and thrive in philanthropic endeavors worldwide. A reminder that greatness is born from adversity. From becoming a global icon, showing us the courage to

Knights Riders, a team (IPL), and under his immense success, he has also ventured into several critically acclaimed films, Dear Zindagi, C

Shah Rukh Khan's u tainment industry a thropic endeavors a various charitable care and education tion, focuses on m and providing them bilitation. His dedie him immense resp worldwide.

Throughout his ca honored with runs received the pr fourth-highest civi the arts. He has ab Arts et des Lettres He is also the only Letterman's Show Screen, and other

won for his ut table and promoting education. Her i endeavors have primarily focused on or children, particularly girls, to prov opportunities for a better future. She strong advocate for child health and supporting immunization camp awareness about life-saving vacci Priyanka has also shown a dee environmental causes, supportin conservation initiatives, highlig collective action to protect th generations. She was honored Danny Kaye Humanitarian / Snowflake Ball in 2019, fu impact and dedication to ma the world.

Priyanka Chopra's journey of determination, resilience, shattered glass ceilings, and the way for future generations have huge aspirations as an unwithered dedication to adapt and thrive in philanthropic endeavors worldwide. A reminder that greatness is born from adversity. From becoming a global icon, showing us the courage to

VIRAT KOHLI

An Unstoppable Force on the Field and a Star on Screen



Dr. Aamir Junaid Ahmad

CEO and Founder, S S Systems Pvt Ltd

A Digital Maven



Dr. Aamir Junaid Ahmad is an entrepreneur driven by vision and a natural educator who possesses an innate

education, food, real estate, apparel, and digital marketing. Several of these ventures have

CELEBRITY INTERACTIONS



Proud Moment - that will be always cherished



Inauguration of the App

PARAS Hospital Patna



 ENQUIRY





What is Artificial Intelligence?

Artificial Intelligence (AI) is making computers or machines think, learn, and solve problems like humans, helping them perform tasks such as understanding language, recognizing images, and making decisions

1 Mimicking Human Intelligence

AI systems are designed to simulate human-like thinking and decision-making processes.

2 Learning from Data

AI algorithms improve their performance by analyzing vast amounts of information.

3 Solving Complex Problems

AI can tackle challenges too difficult or time-consuming for humans alone.

AI in Everyday Life



Digital Assistants

Siri, Alexa, and Google Assistant use AI to understand and respond to your requests.



Self-Driving Cars

AI powers autonomous vehicles, making transportation safer and more efficient.



Personalized Recommendations

Streaming services and online stores use AI to suggest content you'll enjoy.



AI and IoT can improve Travel Experience

[Artificial Intelligence and IoT can improve the travel experience](#) Read More...

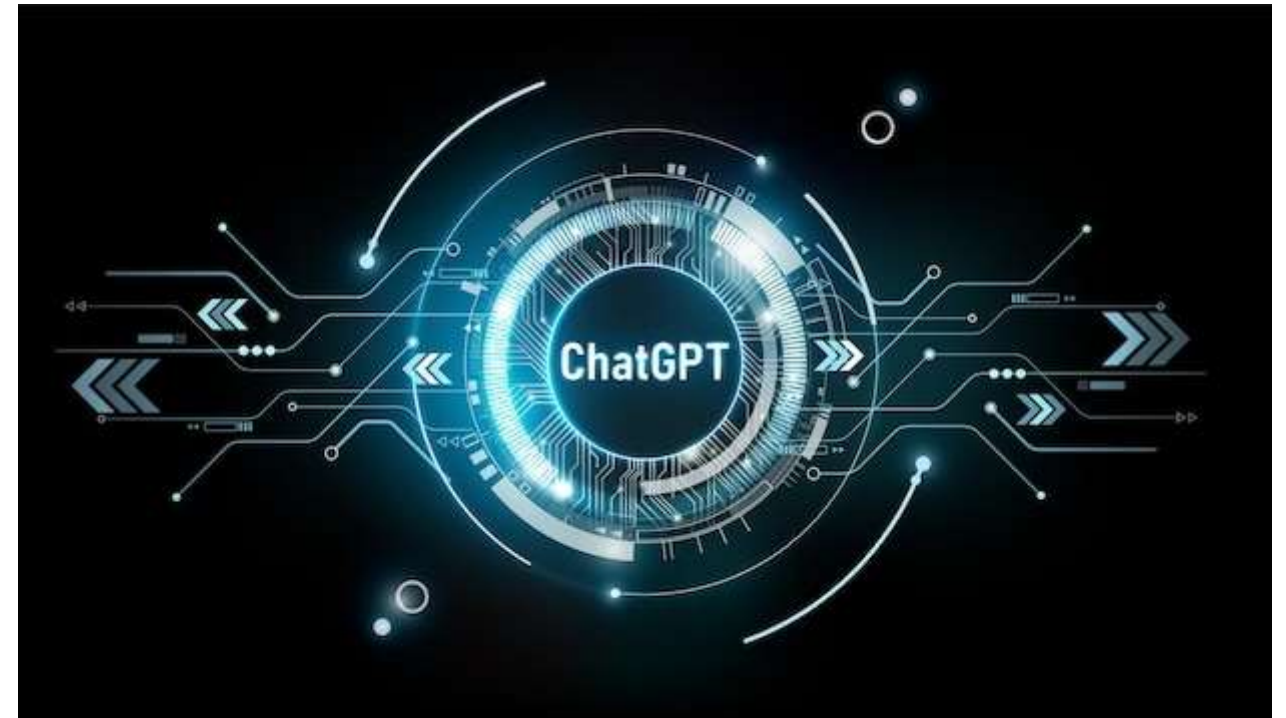




ChatGPT

ChatGPT is an AI based text generation tool which understand user PROMPTS and generate text.

AI can write stories, generate art, or even compose music. Write Email, response to email and many more ...



ChatGPT

Is it a good practice to use ChatGPT?

Will it be appreciated?



Everyday Examples of
Artificial Intelligence
In Our Daily Lives



AI in Transportation

Application	Benefit
Traffic Management	Reduces congestion and travel times
Autonomous Vehicles	Improves safety and accessibility
Predictive Maintenance	Prevents breakdowns and accidents



AI in Medicine: Transforming Healthcare



Imaging Breakthroughs

AI detects diseases early with high accuracy.



Accelerated Drug Discovery

AI streamlines the complex drug development process.



Personalized Medicine

AI tailors treatments to individual genetic profiles.

AI in Education

Adaptive Learning

AI tailors lessons to each student's pace and learning style.

Intelligent Tutoring

AI-powered tutors provide personalized guidance and feedback 24/7.

Automated Grading

AI assists teachers by automating assessment of assignments and tests.

Virtual Reality

AI enhances VR experiences for immersive, interactive learning environments.



AI in Environmental Conservation

1

Wildlife Monitoring

AI-powered cameras and drones track endangered species in remote areas.

2

Climate Modeling

AI analyzes complex climate data to predict and mitigate environmental changes.

3

Smart Agriculture

AI optimizes crop yields while reducing water usage and pesticide application.



AI in Space Exploration

1

Autonomous Rovers

AI enables rovers to navigate and make decisions on distant planets.

2

Data Analysis

AI processes vast amounts of astronomical data to identify new celestial objects.

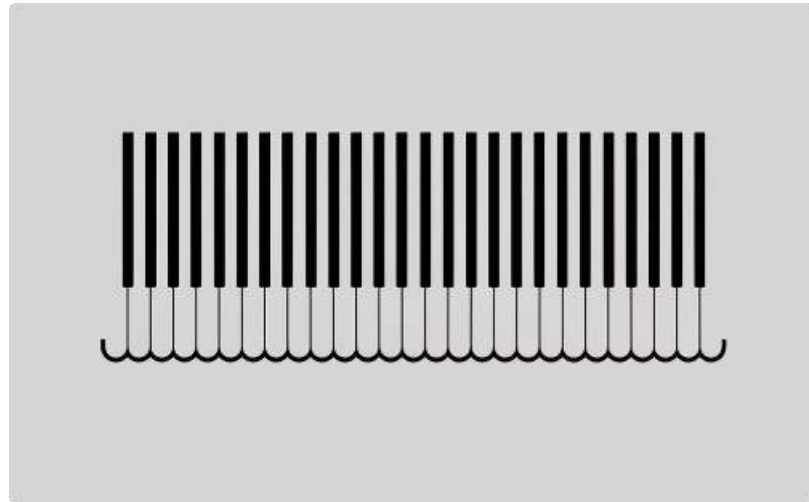
3

Mission Planning

AI optimizes spacecraft trajectories and resource management for long-term missions.



AI in Creative Industries



Music Composition

AI creates original melodies and harmonies, inspiring human musicians.



Visual Art

AI generates unique images and designs, pushing the boundaries of creativity.



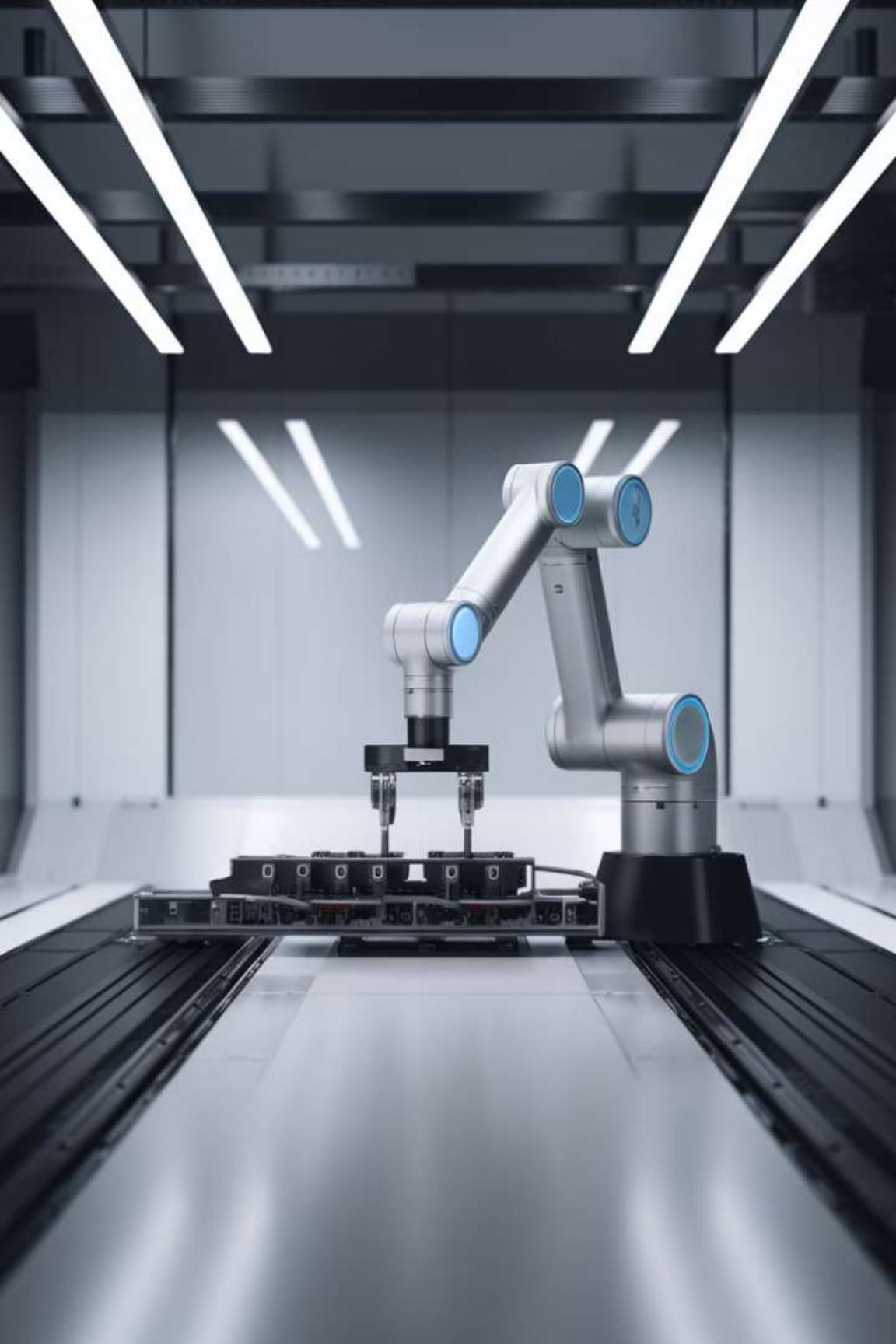
Writing Assistance

AI helps authors and journalists by suggesting ideas and improving prose.



AI in Finance

Application	Benefit
Fraud Detection	Identifies suspicious transactions in real-time
Algorithmic Trading	Executes trades at optimal prices and times
Risk Assessment	Evaluates loan applications more accurately



AI in Manufacturing

1

Quality Control

AI-powered computer vision detects defects with superhuman accuracy.

2

Predictive Maintenance

AI anticipates equipment failures, reducing downtime and repair costs.

3

Supply Chain Optimization

AI forecasts demand and streamlines logistics for efficient production.



AI in Customer Service

24/7 Support

AI chatbots provide instant responses to customer inquiries anytime.

Personalization

AI analyzes customer data to offer tailored product recommendations.

Sentiment Analysis

AI gauges customer emotions to improve service quality.



AI in Language Translation

1

Neural Machine Translation

AI understands context and nuance for more accurate translations.

2

Real-time Interpretation

AI powers instant translation of spoken language in various accents.

3

Language Learning

AI creates personalized language lessons adapted to your progress.



The Future of AI

1

General AI

AI systems that can perform any intellectual task a human can.

2

Human-AI Collaboration

Seamless integration of AI assistants in all aspects of work and life.

3

AI in Governance

AI-assisted policy-making and public service delivery for efficient governance.



AI and Scientific Discovery



Drug Discovery

AI accelerates the identification of potential new medicines.



Physics Simulations

AI models complex physical phenomena to advance our understanding of the universe.



Genomics

AI analyzes genetic data to unlock the secrets of life.



AI in Cybersecurity

1

Threat Detection

AI identifies new malware and cyber threats in real-time.

2

Automated Response

AI systems can instantly react to and neutralize cyber attacks.

3

Predictive Security

AI anticipates potential vulnerabilities before they can be exploited.

AI in Sports and Fitness

Performance Analysis

AI analyzes athlete movements to optimize training and prevent injuries.

Game Strategy

AI assists coaches in developing winning tactics based on opponent analysis.

Personalized Fitness

AI creates tailored workout plans adapting to individual progress and goals.

AI in Agriculture

Precision Farming

AI optimizes irrigation and fertilization for each plant's needs.

Crop Disease Detection

AI analyzes plant images to identify and treat diseases early.

Yield Prediction

AI forecasts crop yields to improve planning and resource allocation.

Automated Harvesting

AI-powered robots harvest crops gently and efficiently.





AI in Energy Management

1

Smart Grids

AI balances energy supply and demand for efficient power distribution.

2

Building Efficiency

AI optimizes heating, cooling, and lighting in buildings to save energy.

3

Renewable Integration

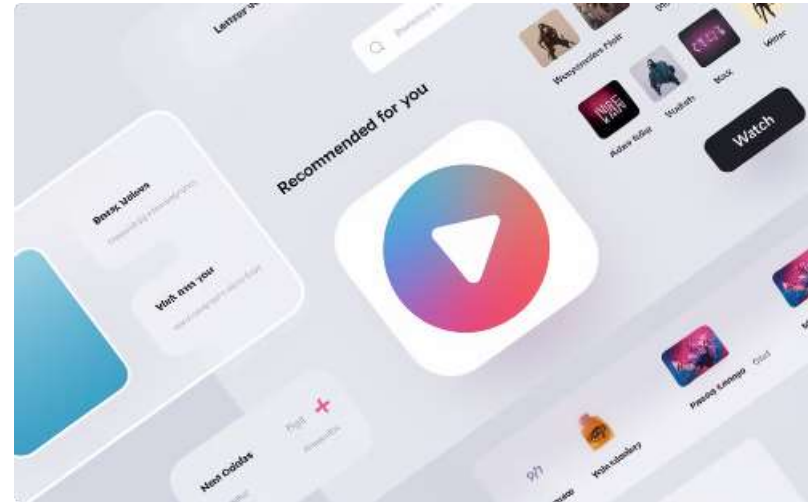
AI predicts solar and wind power generation to maximize renewable energy use.

AI in Entertainment



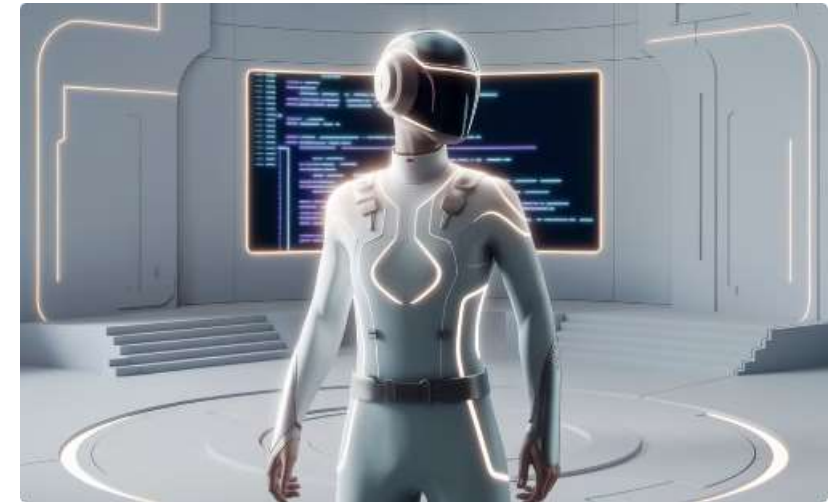
Content Creation

AI generates realistic graphics and assists in scriptwriting for films and games.



Recommendation Engines

AI suggests movies and shows based on your unique preferences.



Interactive Characters

AI creates lifelike non-player characters that respond naturally to players.

AI in Robotics

1

Perception

AI enables robots to see, hear, and understand their environment.

2

Decision Making

AI algorithms help robots make autonomous choices in complex situations.

3

Manipulation

AI improves robot dexterity for handling diverse objects and tasks.





AI in Weather Forecasting

1 Improved Accuracy

AI analyzes vast amounts of data to make more precise predictions.

2 Extreme Event Prediction

AI helps forecast hurricanes, tornadoes, and other severe weather events earlier.

3 Climate Change Modeling

AI assists in understanding long-term climate trends and impacts.



AI in Education: Personalized Learning

Adaptive Curriculum

AI adjusts lesson difficulty based on student performance.

Learning Style Recognition

AI identifies and caters to individual learning preferences.

Real-time Feedback

AI provides immediate guidance to help students improve.



AI in Mental Health

Early Detection

AI analyzes speech and behavior patterns to identify mental health issues.

Personalized Treatment

AI recommends tailored therapy approaches based on individual needs.

24/7 Support

AI chatbots provide constant emotional support and coping strategies.

Research Insights

AI analyzes vast datasets to uncover new understandings of mental health.



AI in Disaster Response

Early Warning

AI predicts natural disasters by analyzing seismic and weather data.

1

2

3

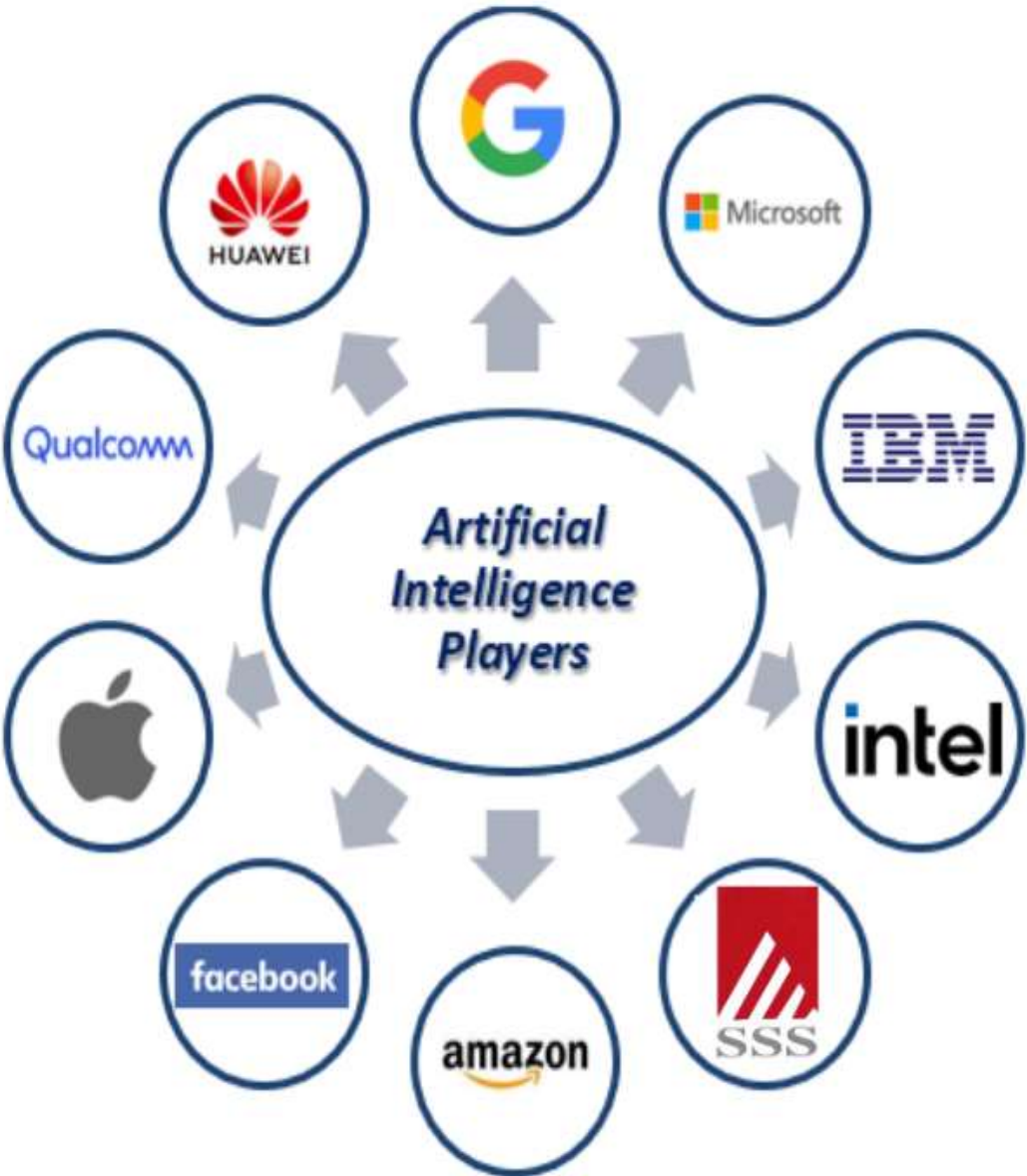
Resource Allocation

AI optimizes the distribution of emergency supplies and personnel.

Damage Assessment

AI analyzes satellite imagery to quickly map affected areas.

COMPANIES USING AI



Business And Society

AI Won't Replace Humans — But Humans With AI Will Replace Humans Without AI

August 04, 2023

“Just as the internet has drastically lowered the cost of information transmission, AI will lower the cost of cognition. That’s according to Harvard Business School professor Karim Lakhani, who has been studying AI and machine learning in the workplace for years.

As the public comes to expect companies that deliver AI-enhanced experiences and transactions, we need to embrace the technology and learn to harness its potential.”



Harvard Business School

<https://www.hbs.edu> › faculty › Pages › profile ⋮

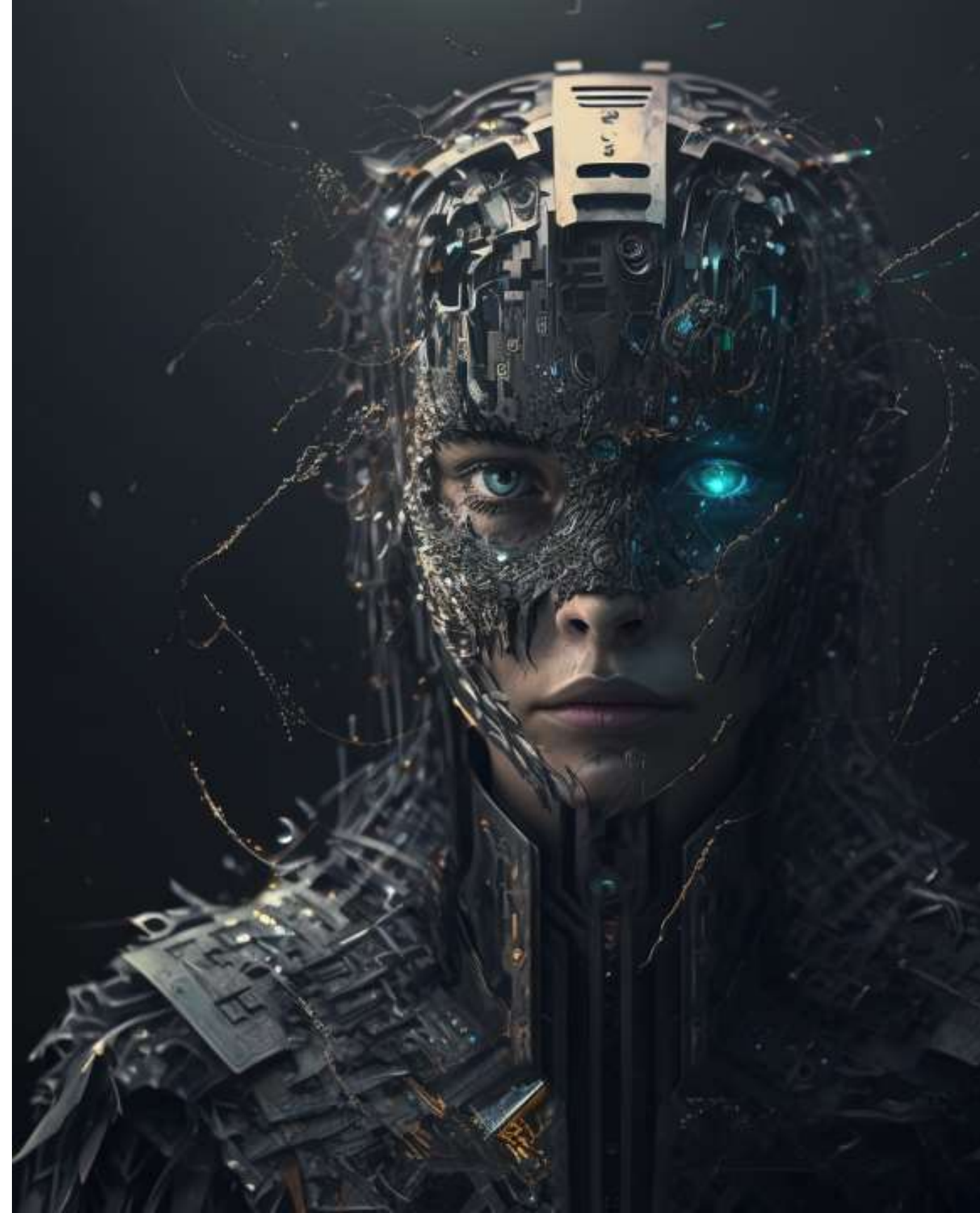
Karim R. Lakhani - Faculty & Research

Dark side of AI

Job Displacement

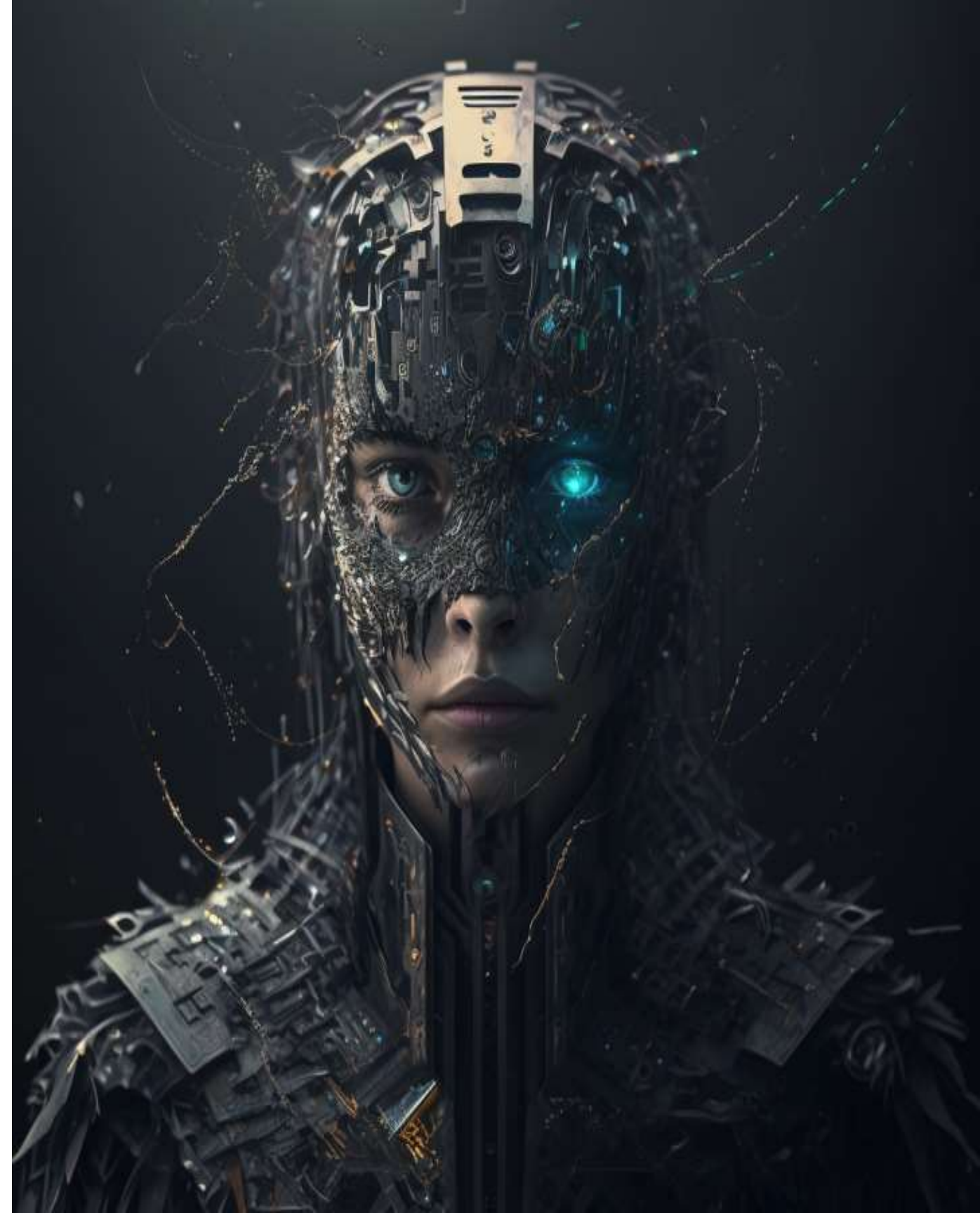
- **Automation of Jobs:** AI can automate repetitive tasks, leading to job losses in various sectors. This can create economic disparity and social unrest if not managed properly.

- **Skill Gap:** Workers may need new skills to adapt to an AI-driven job market, potentially leaving those without access to education behind.



Manipulation and Misinformation

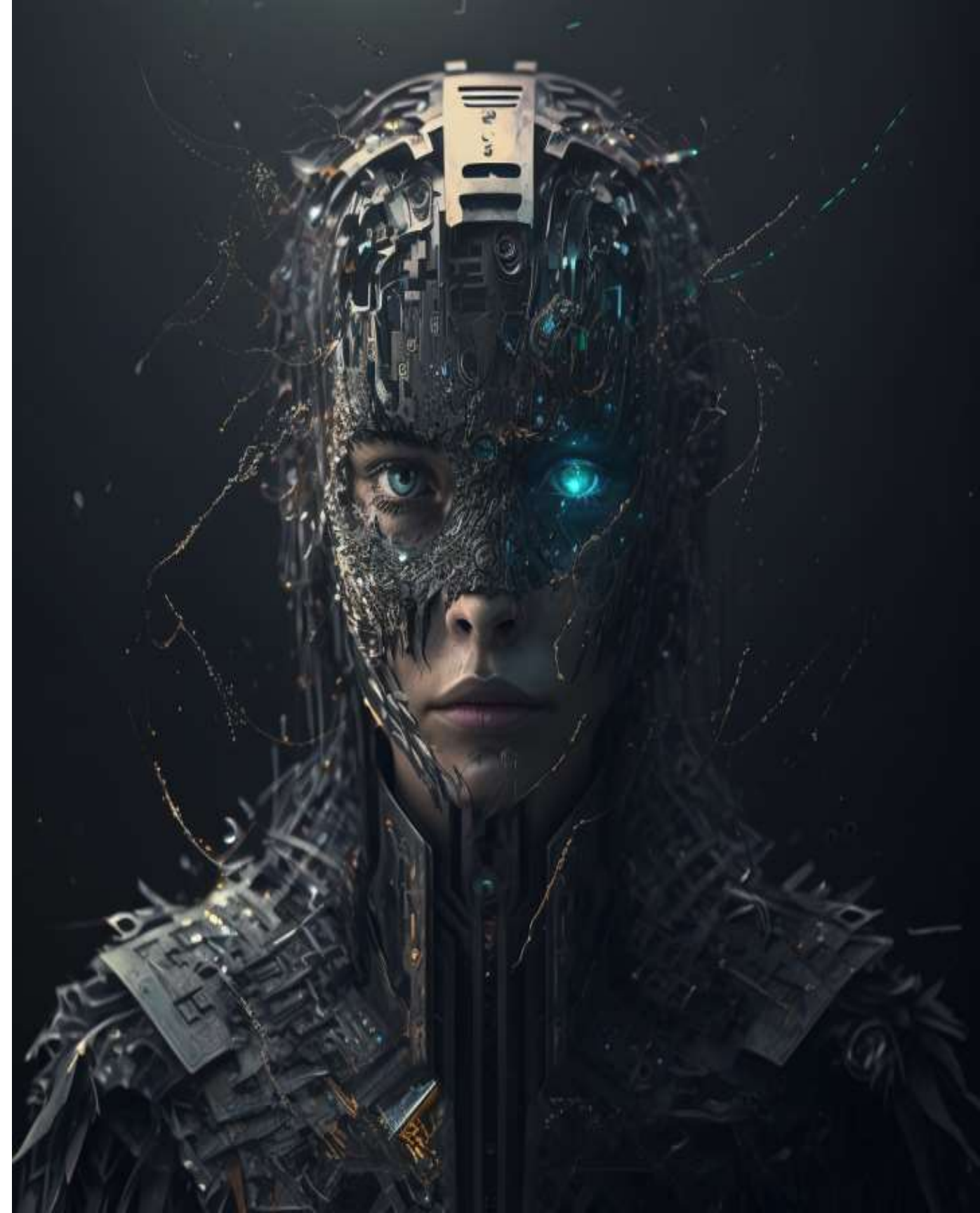
- **Deepfakes:** AI can create realistic fake videos or audio recordings, which can be used for malicious purposes, including disinformation campaigns.
- **Social Media Algorithms:** AI algorithms can polarize public opinion by promoting sensationalist or misleading content.



Lack of Accountability

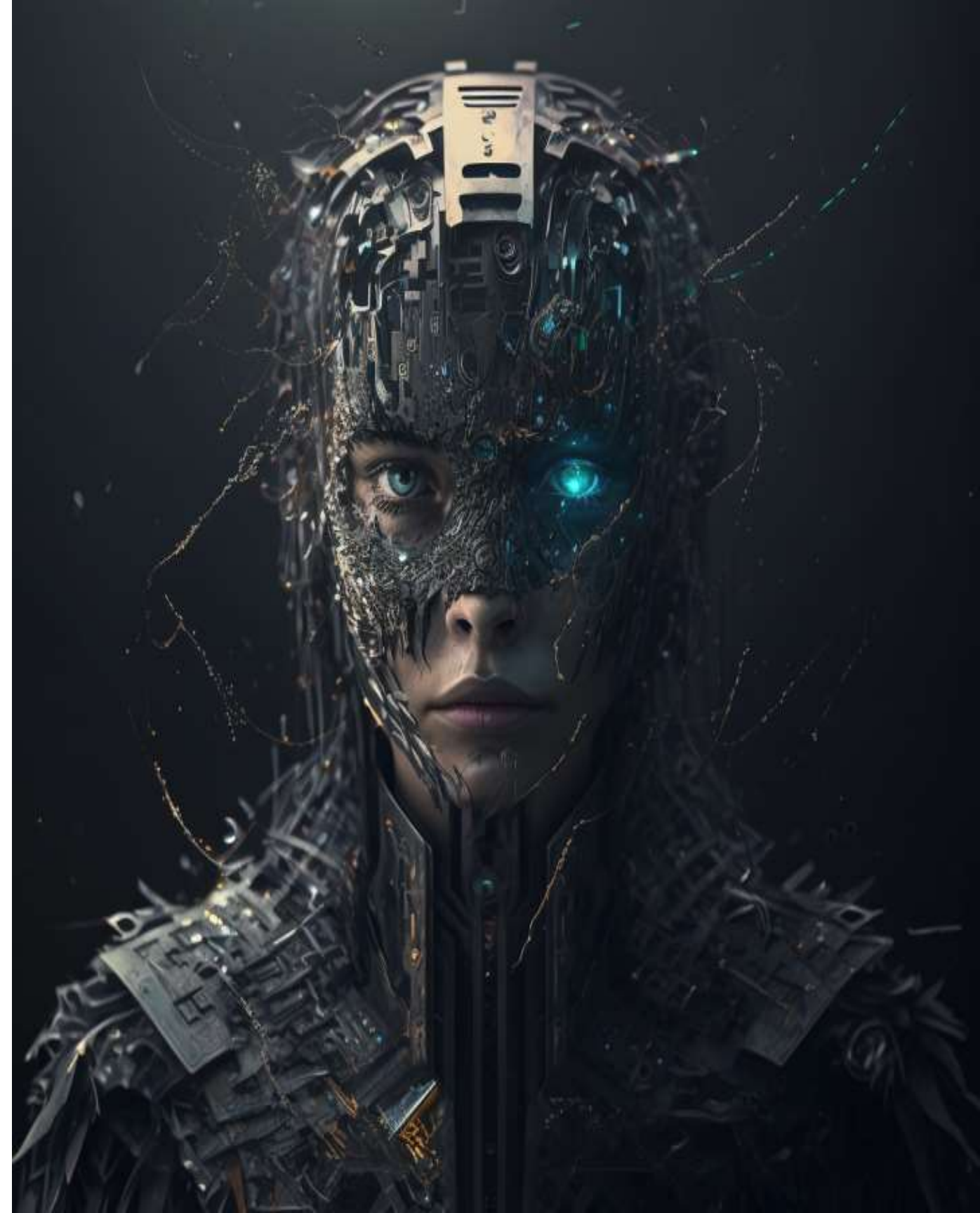
- **Opaque Decision-Making:** Many AI systems operate as "black boxes," making it difficult to understand how they arrive at decisions. This can lead to a lack of accountability when things go wrong.

- **Responsibility Issues:** In cases of harm caused by AI, determining who is liable—developers, companies, or users—can be complex and unresolved.



Autonomous Weapons

- **Military Applications:** AI can be integrated into weapons systems, leading to ethical concerns about the decision to take human life being made by machines.
- **Escalation of Conflicts:** The development of autonomous weapons could lead to arms races and increase the risk of unintended escalations in military conflicts.

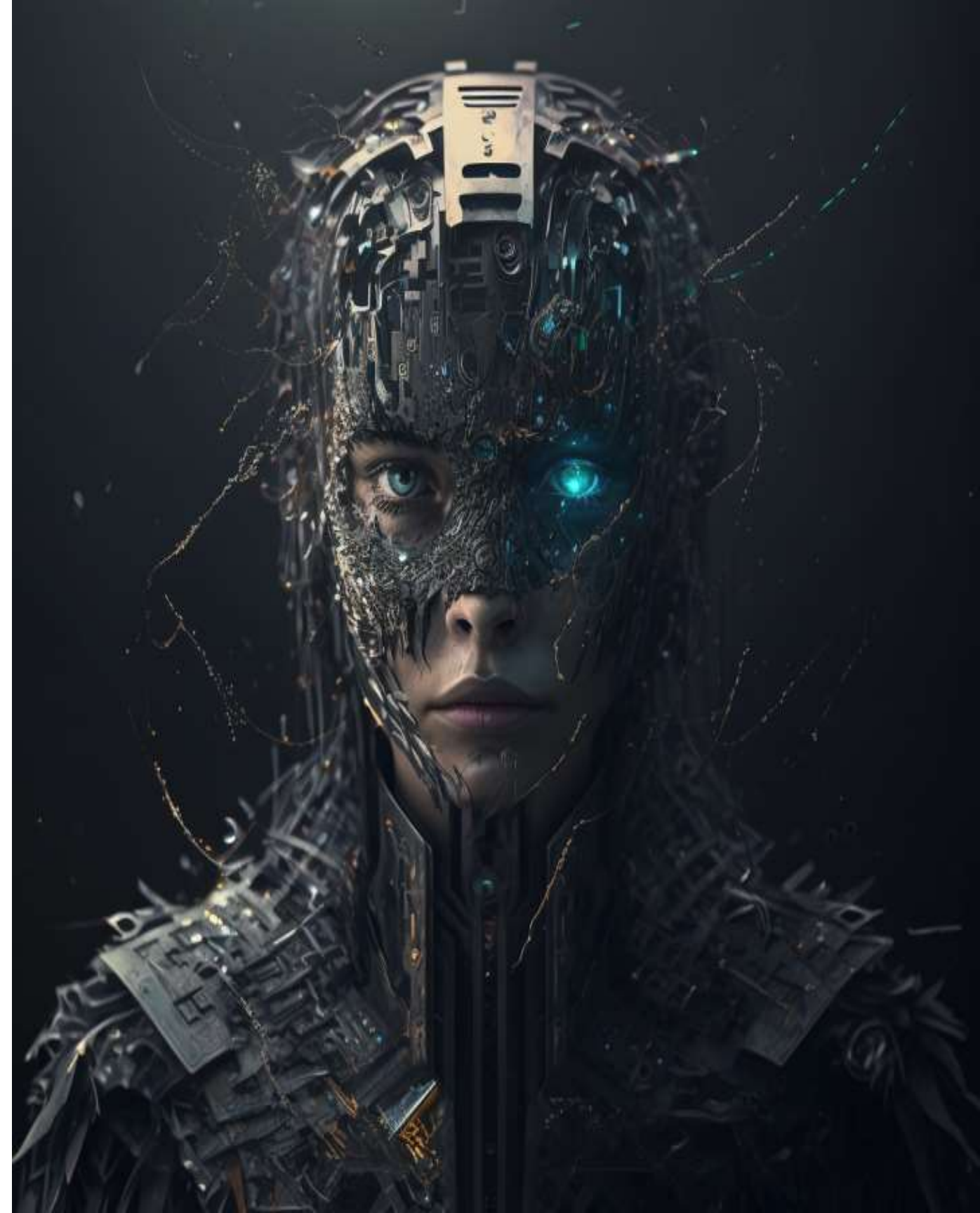


Ethical Dilemmas

- **Human Replacement:** As AI becomes more capable, ethical questions arise about the extent to which machines should replace human roles, especially in areas like healthcare and customer service.

Conclusion

While AI has the potential to bring significant benefits, it is crucial to address these dark aspects proactively. Ethical frameworks, regulations, and public discourse are necessary to ensure that AI development aligns with societal values and human rights.



Future of AI in India

The future of AI in India is bright, with the potential to drive economic growth, enhance public services, and improve quality of life.

As India navigates the challenges and opportunities presented by AI, a collaborative approach involving government, industry, and academia will be crucial in shaping a sustainable and inclusive AI ecosystem.

By focusing on skill development, ethical considerations, and innovation, India can position itself as a global leader in AI technology and applications.

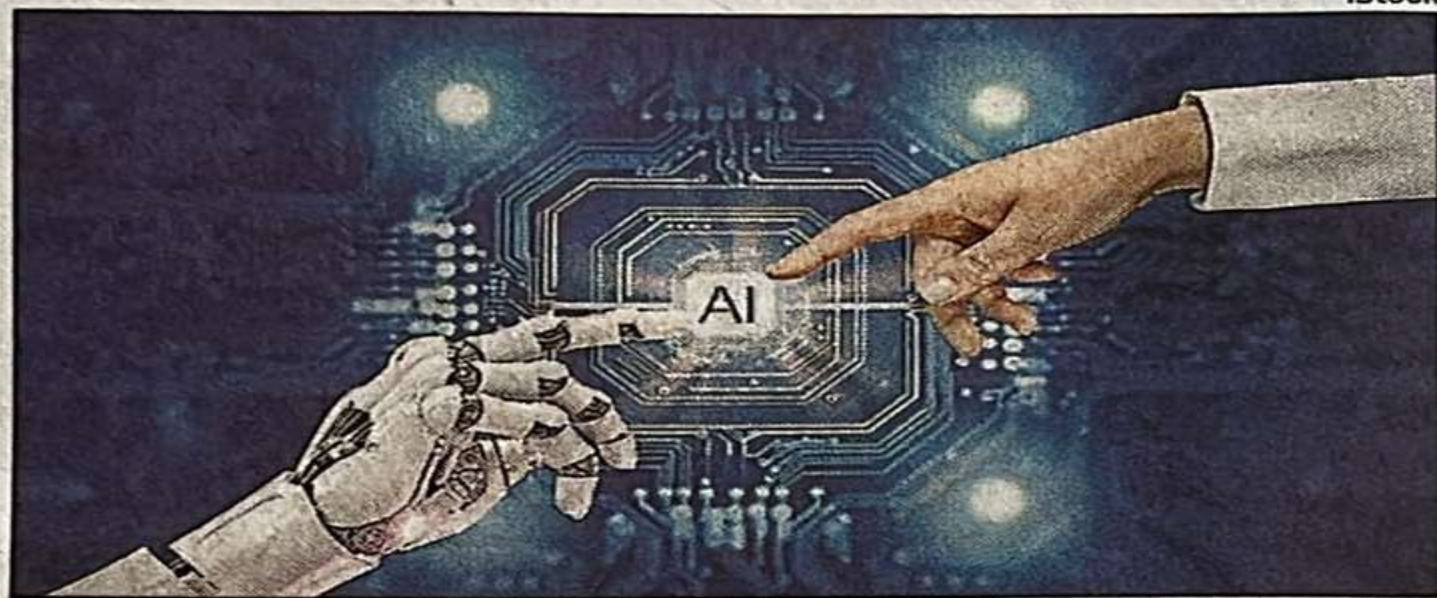


AI global market may touch \$990 billion by 2027: Report

Says Computing Power Need Will Expand Data Center Scale

New Delhi: The global market for artificial intelligence (AI)-related products and services is expected to grow at an annual rate of 40-55%, and can reach up to \$990 billion by 2027, a report has said. Bain & Company's 5th annual Global Technology Report said AI workloads could grow about 25-35% per year through 2027.

"Bain estimates that the total addressable market for AI-related hardware and software will grow between 40% and 55% annually for at least the next three years, reaching between \$780 billion and \$990 billion by 2027. Fluctuations in supply and demand will create volatility along the way, but a long-term, durable trajectory seems like it



AI products & services may grow at annual rate of 40-55%

is here to stay," it said.

As AI expands, the need for computing power will radically expand the scale of large data centers over the next five to 10 years, it added.

"AI will spur growth in da-

ta centers, from today's 50-200 megawatts to more than a gigawatt. This means that if large data centers cost between \$1 billion and \$4 billion today, they could cost between \$10 billion and \$25 billion five years

from now," the report said.

In addition to the need for more data centers, the AI-driven surge in demand for graphics processing units (GPUs) could increase total demand for certain upstream components by 30% or more by 2026, the report projected.

However, these trends could trigger a scarcity of semiconductors, it said.

"If data center demand for current-generation GPUs were to double by 2026, not only would suppliers of key components need to increase their output, but makers of chip packaging components would need to nearly triple their production capacity to keep up with demand," it noted. AGENCIES



Skills for an AI-Driven Future

01
10

Coding

Learn programming languages like Python to work with AI systems.



Data Analysis

Develop skills in statistics and data interpretation to fuel AI insights.



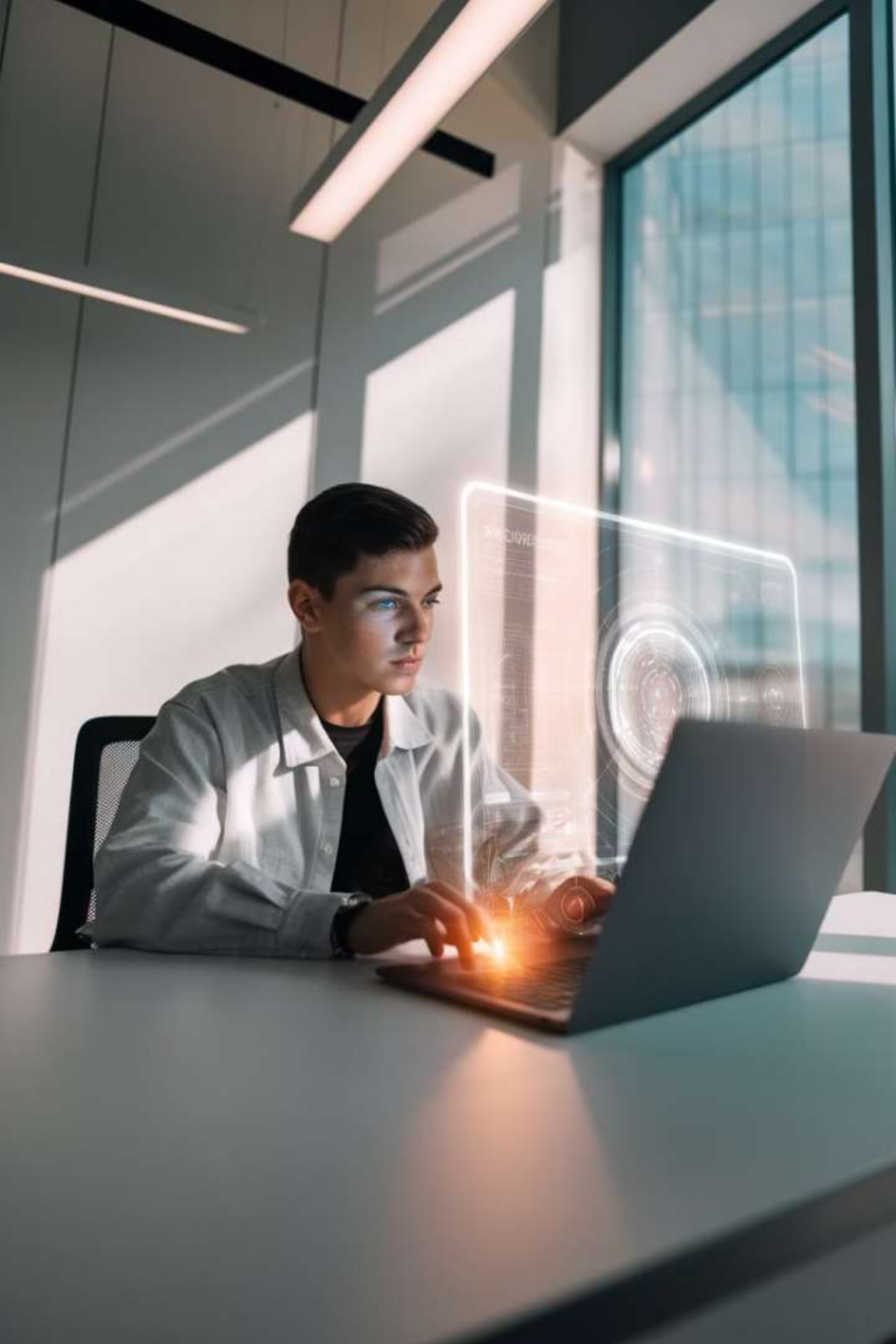
Creativity

Cultivate creative problem-solving to leverage AI in innovative ways.



Ethics

Understand the ethical implications of AI to guide responsible development.



Getting Started with AI

1

Online Courses

Explore free AI courses on platforms like Coursera and edX.

2

Coding Projects

Start small AI projects to gain hands-on experience.

3

Join Communities

Connect with other AI enthusiasts through online forums and local meetups.

Career Opportunities in AI

Role	Description
Machine Learning Engineer	Designs and implements AI algorithms
Data Scientist	Analyzes data to train and improve AI models
AI Ethics Specialist	Ensures responsible AI development and deployment



Embracing the AI Revolution

1 Lifelong Learning

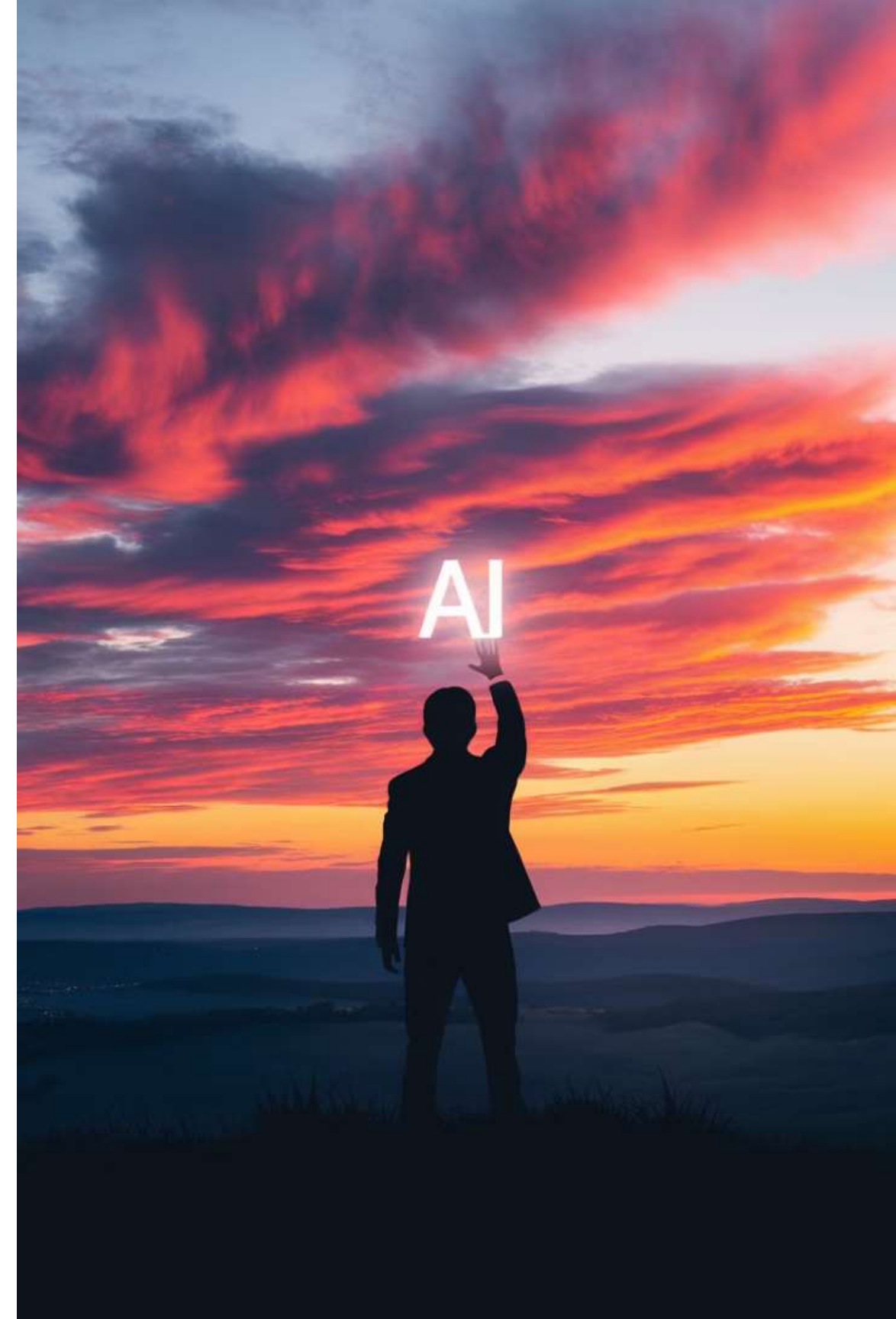
Stay curious and adapt to the rapidly evolving field of AI.

2 Ethical Consideration

Always consider the impact of AI on society and individuals.

3 Collaborative

Spirit
Work with others to harness AI's potential for positive change.



I encourage you to explore more! Start by trying out coding, joining tech clubs, or simply reading about how AI is changing the world

As Steve Jobs once said, '***The people who are crazy enough to think they can change the world are the ones who do.***'
With AI, you have the chance to change the world too!



Remember, you are the future innovators and leaders. Embrace technology like AI with a sense of responsibility and creativity. Together, you can use it to solve some of the biggest challenges our world faces today. Thank you all for your enthusiasm and participation...

A conceptual image showing a human hand on the left and a white robotic hand on the right, both reaching towards each other. The background is dark with a grid of glowing pink lines that converge at a point between the hands, creating a sense of digital interaction or connection.

THANK YOU

FOR YOUR ATTENTION