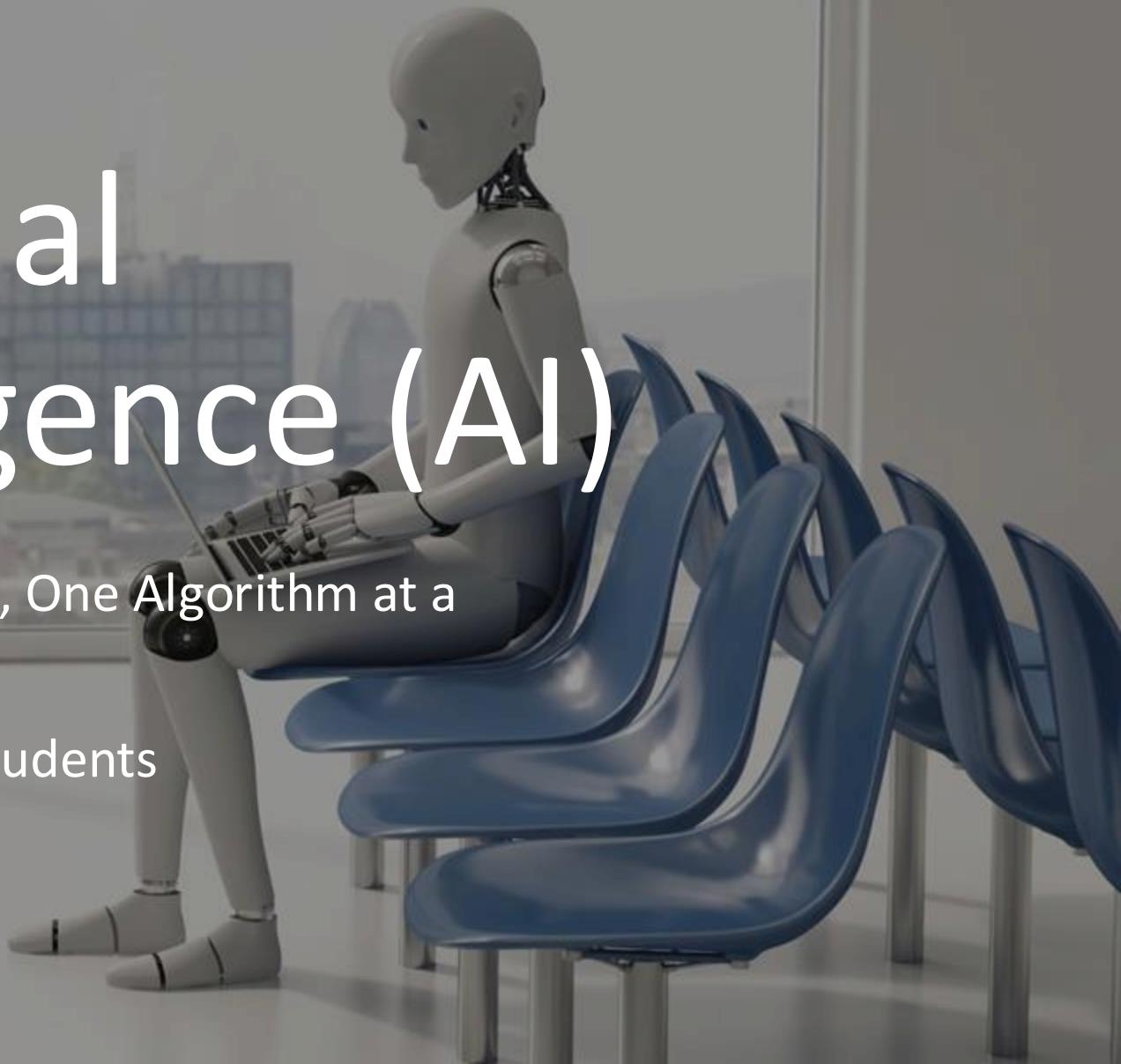


# Artificial Intelligence (AI)

Shaping Our World, One Algorithm at a  
Time

Presented for ITI Students



# Team Members

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# The topics we will discuss in AI

What is Artificial Intelligence?

AI in Daily Life

Advantages & Disadvantages of AI

AI and the Job Market

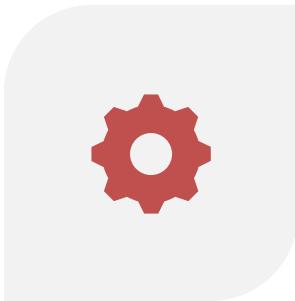
The Future of AI



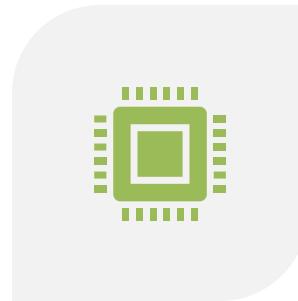
# What is Artificial Intelligence?

- simulation of human intelligence
- AI is not just robots
- mainly **software**

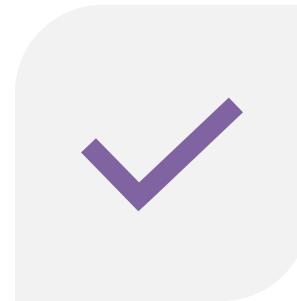
# How Does AI Work?



INPUT



PROCESSING



OUTPUT

+  
0  
-



## Two Main Types of AI

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- **Narrow AI (Weak AI)**  
*Siri, Face ID, Chess bots*
- **General AI (Strong AI)**

# Quick Question...

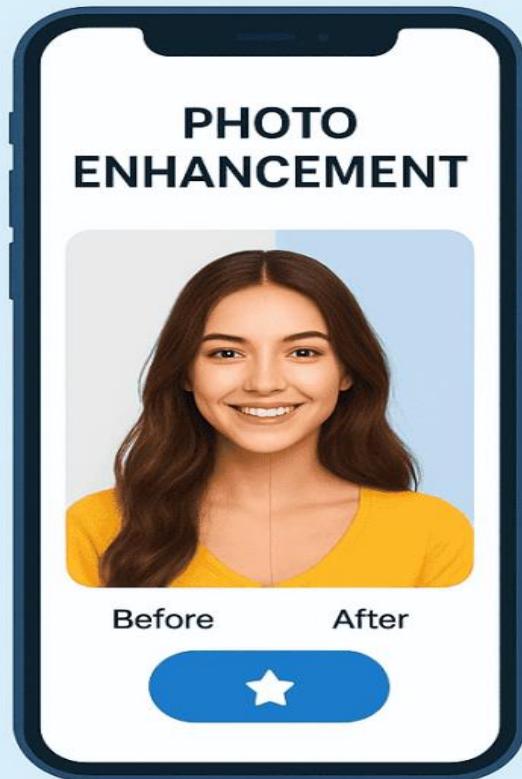
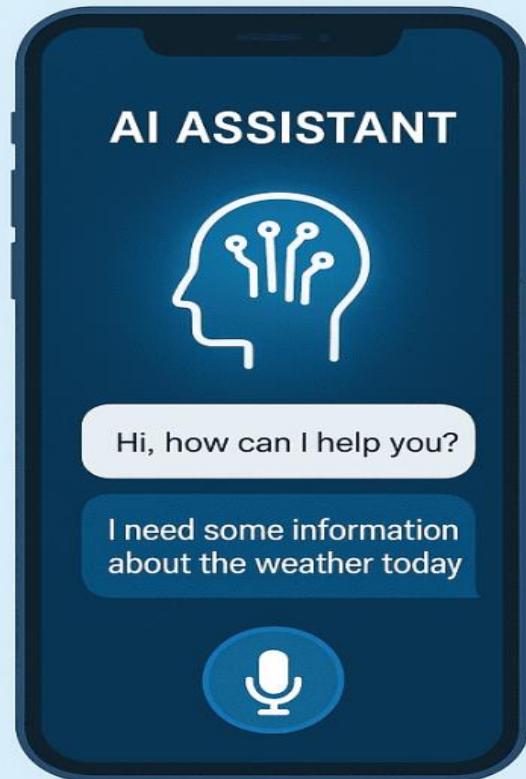
Have you used AI today?

# AI in Daily Life

## How AI is impacting our lives?



# 1 . Your Smartphone



## 2. Social Media

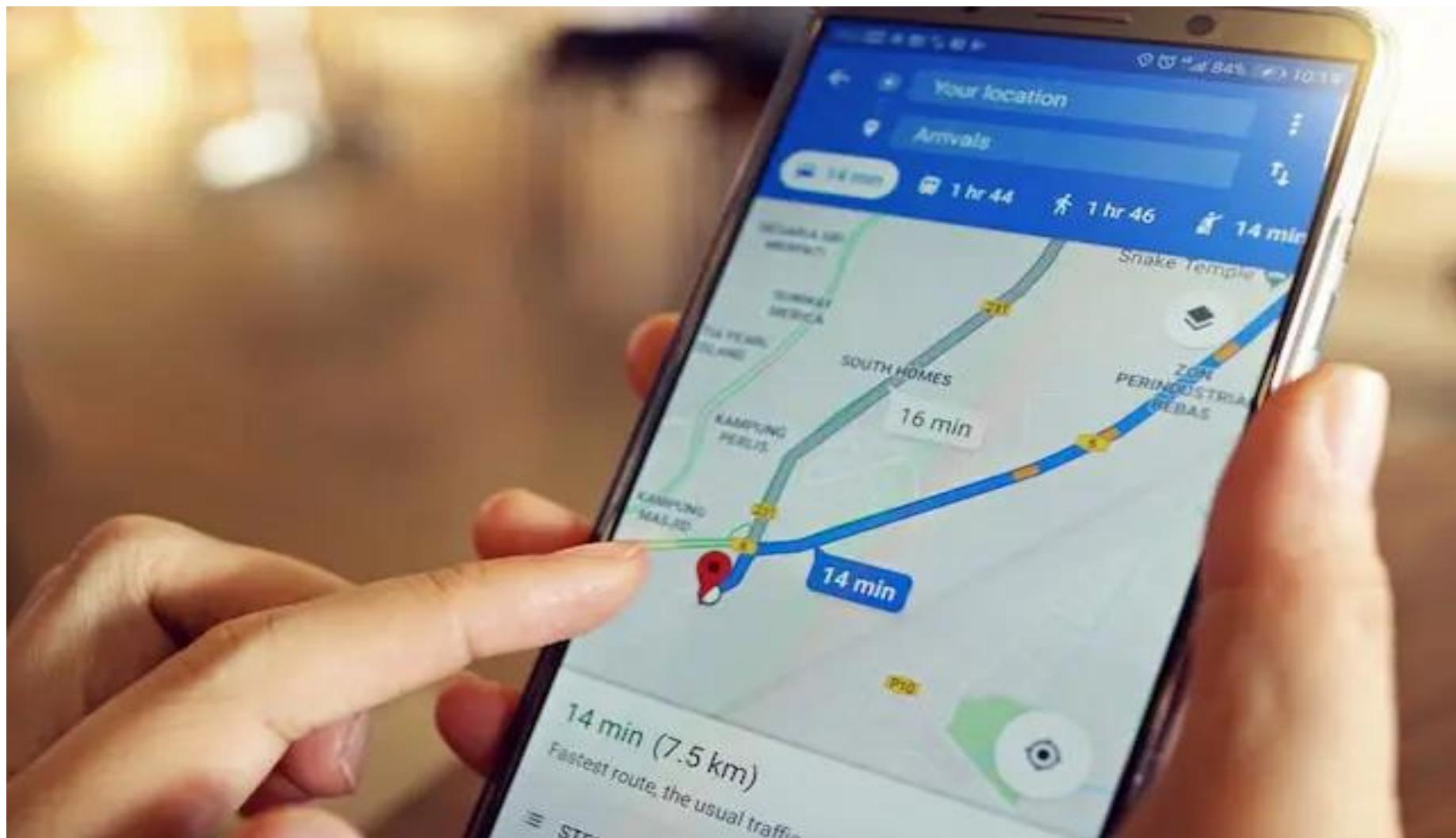
### BENEFITS OF AI TOOLS FOR SOCIAL MEDIA MARKETING



### 3. E-Commerce



# 4. Navigation



# 5. Smart Home

EXHIBIT 1: AI-based Voice-assistance and Control Systems



Bixby



LG CLOi™



YEELIGHT



amazon alexa



Rokid Pebble



Apple HomePod



Google  
ASSISTANT



Alibaba Group  
阿里巴巴集团

# Summary



WHAT IS ARTIFICIAL  
INTELLIGENCE?



AI IN DAILY LIFE

## 6. In Education

- Personalized Learning
- AI tracks each student's performance and identifies strengths and weaknesses.
- It provides learning content and assignments based on the student's learning pace.
- It increases engagement and helps teachers focus more on students' needs

## 7. Smart Content

- AI creates or improves educational materials such as summaries, quizzes, and interactive simulations.
- It makes learning easier, more enjoyable, and accessible for all students
- AI makes education more personalized, interactive, and efficient.

## 7. Self-Driving Cars

- What does it mean?
- A self-driving car is a car that can drive by itself without a human controlling the steering wheel.
- It can see the road and make decisions almost like a human driver.

# Advantages of AI

- Makes our life easier  
We can ask AI about anything and get an instant answer.
- Available anytime  
AI works 24/7 without getting tired.
- Fast and saves time  
It completes tasks quickly and reduces effort.
- Good at analyzing data  
It can analyze large amounts of data accurately

# Disadvantages of AI

- May replace some jobs  
Especially routine jobs like customer service or data entry.
- Gives wrong results if programmed incorrectly  
AI depends on the data and instructions it is given.
- Lack of creativity  
AI only does what it is told; it does not think like humans.
- Security risks  
AI systems can be hacked, and sensitive data (like bank data) may be exposed.

# conclusion

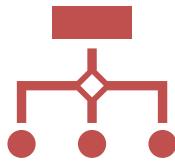


AI has many Advantages and Disadvantages



Ai In Daily Life

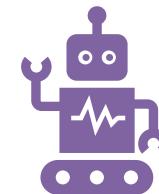
# Shift in Employment



Repetitive Jobs: Decreasing (e.g.,  
data entry, routine tasks) →  
Being automated.



Creative Jobs: Stable (e.g.,  
designers, writers, strategists) →  
Still need human creativity.



Tech/AI Jobs: Exploding (e.g., AI  
engineers, data scientists) →  
New roles are being created.

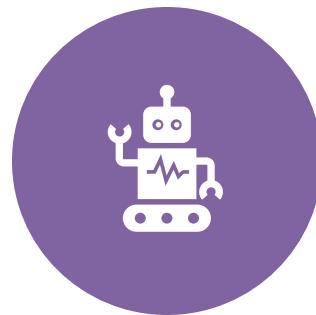
# New Career Paths



DATA SCIENTIST: ANALYZES THE DATA THAT FEEDS AI.



AI ETHICS SPECIALIST:  
ENSURES AI IS FAIR, SAFE,  
AND UNBIASED.



ROBOTICS ENGINEER:  
BUILDS AND MAINTAINS PHYSICAL ROBOTS.

# Ethical Challenge – Bias

AI learns from human data.



If the data is biased, the AI will be biased.



Example: Hiring algorithms favoring men over women because past data had more men.



Solution: Diverse teams +  
better data selection.



# Ethical Challenge – Privacy



Where does it come from?



Your search history



Location data



Social media posts



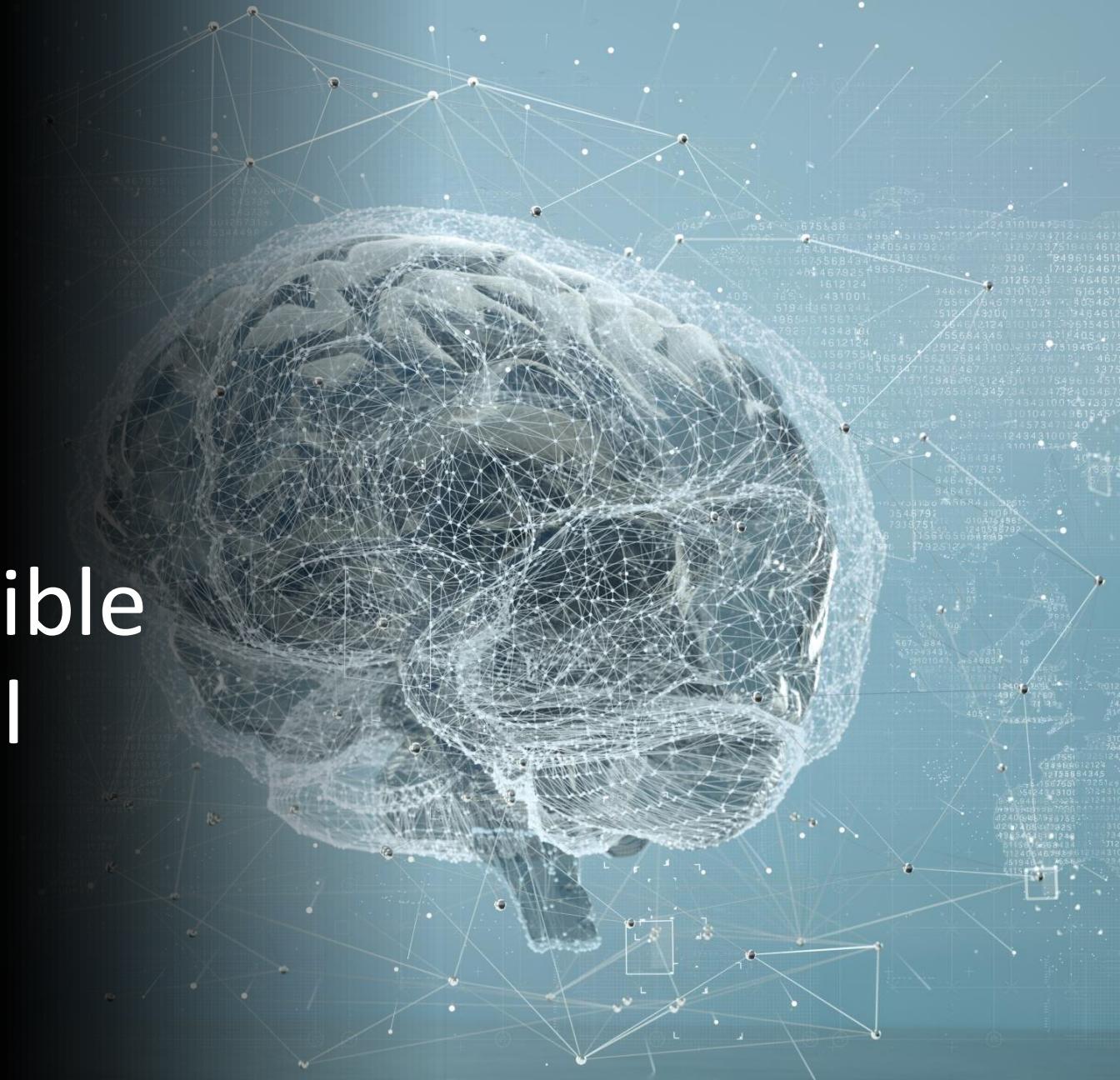
The Big Question: How much privacy are we willing to trade for convenience



# Ethical Challenge – Deepfakes

- "Seeing is no longer believing."
- AI can create realistic videos of people saying things they never said.
- Risks:
- Misinformation (fake news, political manipulation)
- Identity theft (fake videos using your face)

# Responsible Use of AI



# Responsible Use of AI

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**Transparency:** Companies must be clear when AI is used (e.g., labeling AI-generated content).



**Accountability:** Laws must hold developers responsible if their AI causes harm.

# The Future of AI – Personalized Medicine

DNA Analysis: AI analyzes your genetic code to create treatments custom-made for your body.

Predictive Health: Wearables will predict heart attacks or strokes days before they happen.

# The Future of AI – Smart Cities

Fully Connected: Traffic lights, power grids, and public transport talk to each other.

Results:

No traffic jams

Efficient energy use

Safer streets

# Human + AI Collaboration (The Most Important Slide)

- The future isn't AI replacing humans.
- It's humans empowered by AI.
- Examples:

Doctors + AI Diagnostics

Artists + AI Tools

Engineers + AI Simulations

Key Takeaway: AI is a tool

# Final Summary



IT'S EVERYWHERE: FROM  
PHONES TO CARS.



PROS & CONS: EFFICIENT,  
BUT NEEDS ETHICAL  
CONTROL.



THE FUTURE:  
COLLABORATION IS KEY

# Let's Discuss (Interactive Slide)

"If you could have an AI robot do ONE chore for you forever, what would it be?"