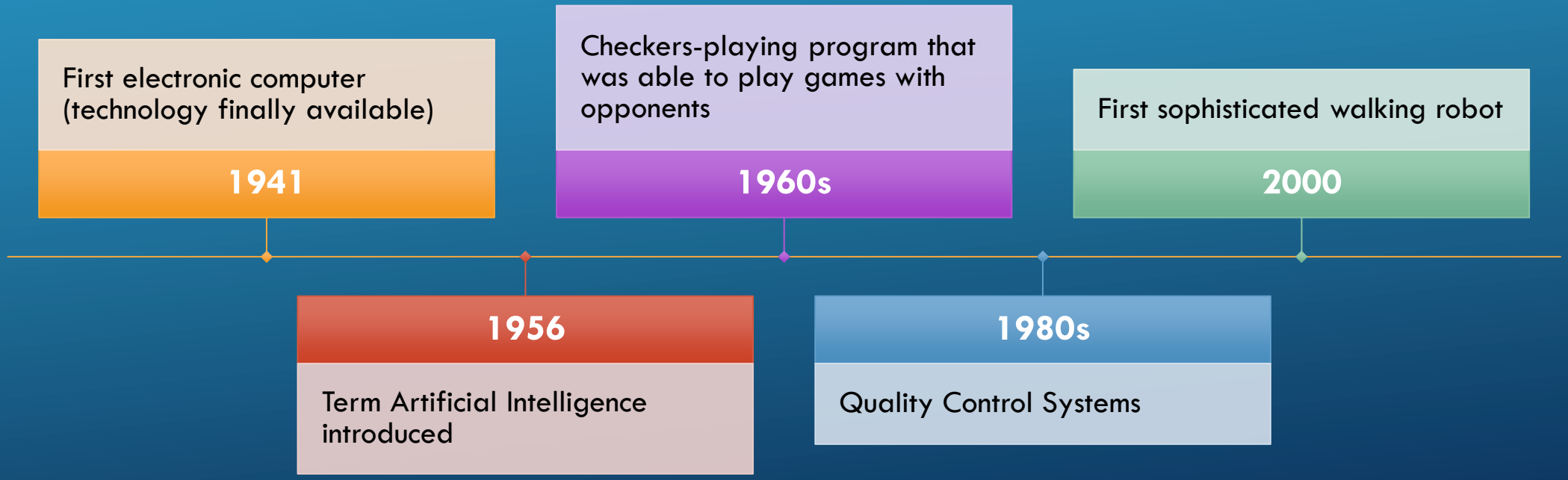
UNLOCKING THE FUTURE WITH AI: EXPLORING JOB OPPORTUNITIES FOR INTERNATIONAL STUDENTS

INTRODUCTION

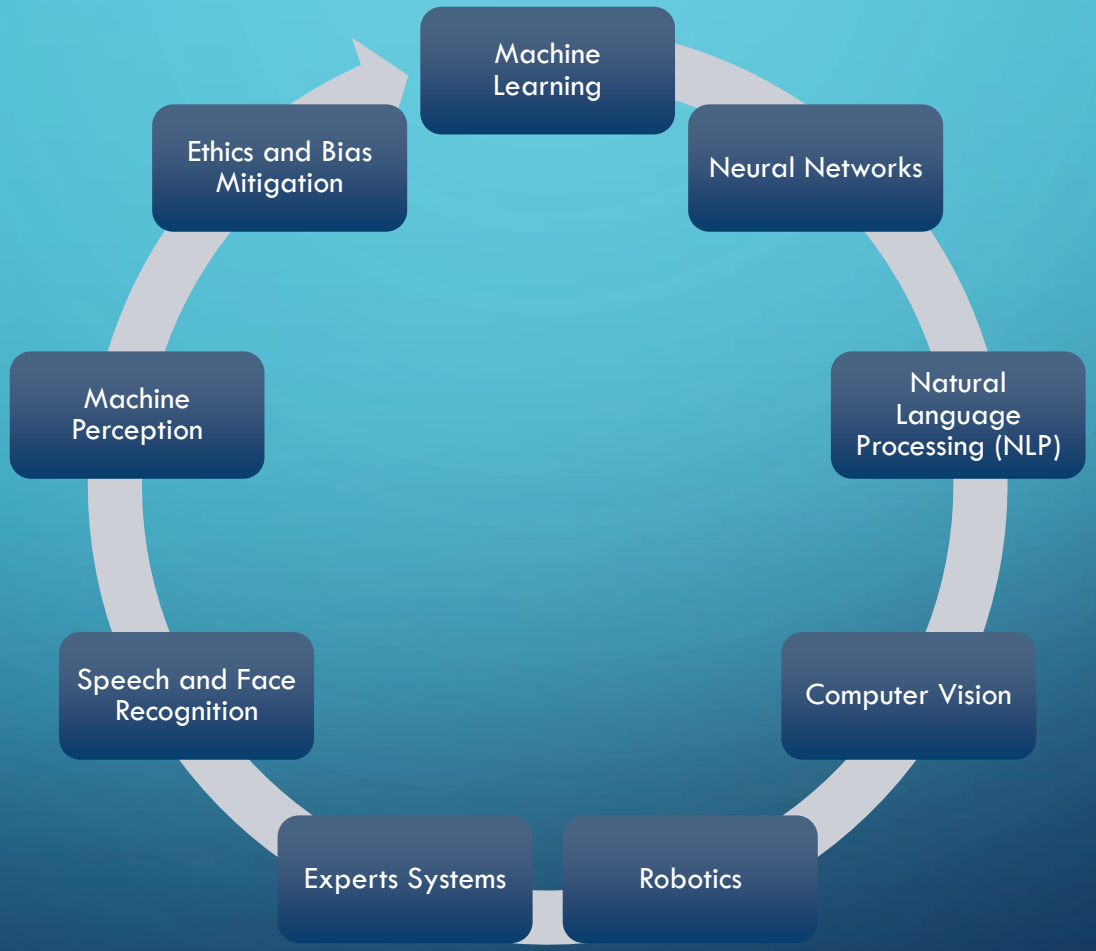
- Artificial Intelligence is a branch of Science which deals with helping machines finds solutions to complex problems in a more human-like fashion.

- This generally involves borrowing characteristics from human intelligence and applying them as algorithms in a computer friendly way.

BRIEF HISTORY OF AI



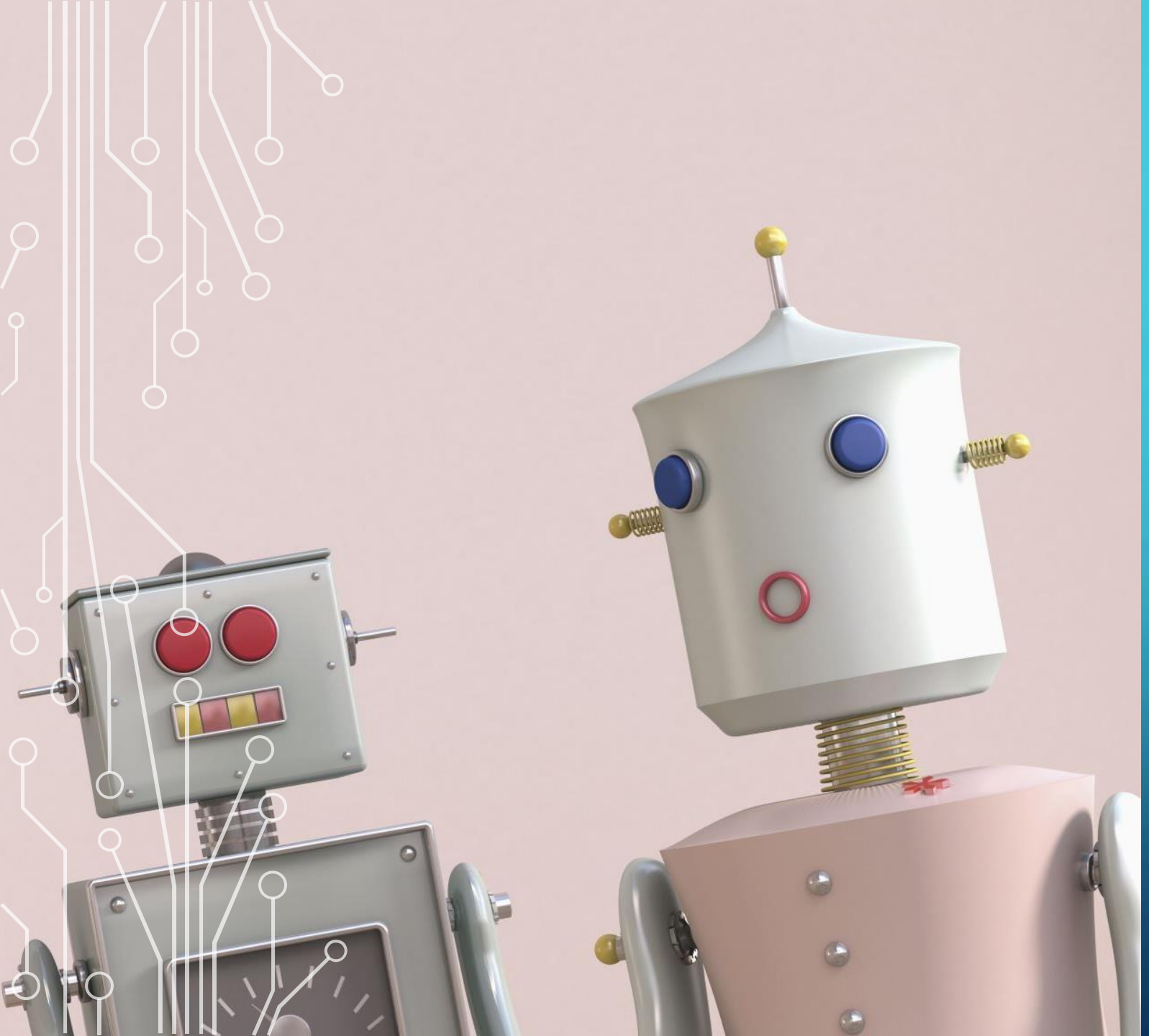
COMPONENTS OF AI



Robots in streets of London

AI FUTURE +

- In future AI will be the companion of human beings.
- Let's just sit and enjoy the technology.



AI FUTURE -

- Misuse of technology will increase, and robots will be more potent as they know how humans think and act.

AI AND JOB MARKET

- Roles such as **AI-driven Creatives: , AI Research Scientist , AI Trainer/Coach, Machine Learning Engineer** reflect the growing demand for individuals with expertise in AI technologies.

- As AI continues to evolve, new job opportunities will likely emerge, presenting diverse avenues for professionals to contribute to the development and ethical deployment of AI solutions

INTERNATIONAL STUDENTS AND JOB MARKET

Challenges faced by international students in the job market.

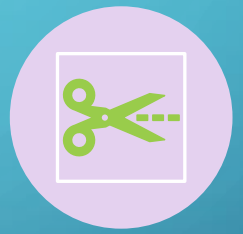
- **Changing Job Landscape**
- **Skill Requirements**
- **Cultural and Communication Challenges**
- **AI's Role in Hiring**

UNIQUE OPPORTUNITIES FOR INTERNATIONAL STUDENTS IN AI-RELATED FIELDS

CONTINUOUS LEARNING

NETWORKING

GAINING PRACTICAL EXPERIENCE



TAILORING APPLICATIONS

ADAPTING SOFT SKILLS

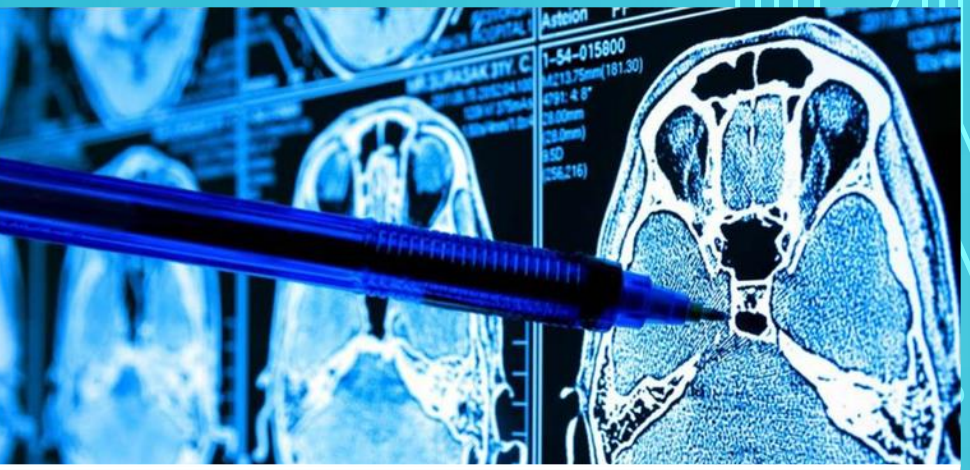
CURRENT TREND

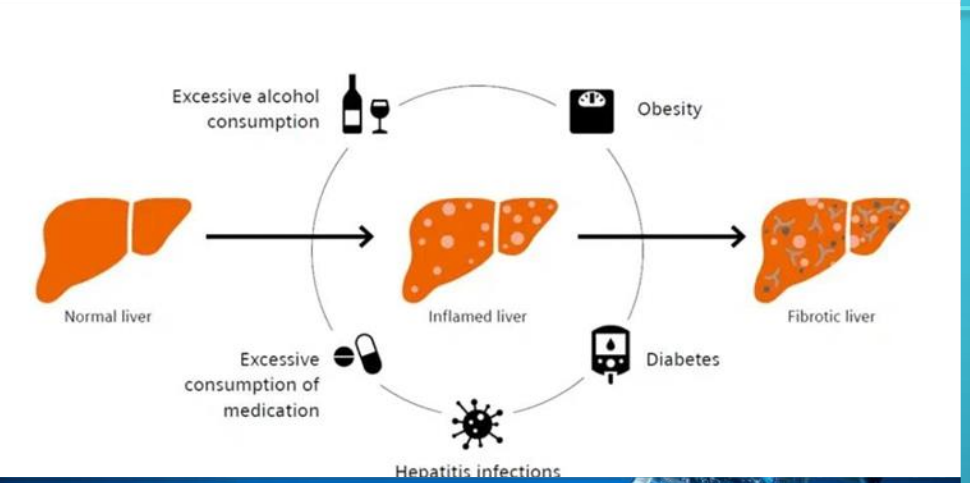
- **CURRENT TRENDS** IN AI RELATED CAREER.
- HIGH - **DEMAND** ROLES AND SKILLS IN AI INDUSTRY
- **SKILLS** AND **QUALIFICATION** REQUIREMENT IN AI CAREER
- IMPORTANCE OF **CONTINUOUS LEARNING** AND **UPSKILLING**

ARTIFICIAL INTELLIGENCE IN VARIOUS SECTORS

AI IN HEALTHCARE INDUSTRY

- CONTRIBUTION OF **AI** IN **MEDICAL FIELD.**
- AI JOB **OPPORTUNITIES** IN HEALTHCARE SECTOR
- MED PALM MULTIMODEL





CONTRIBUTION OF AI IN HEALTHCARE INDUSTRY

- Medical Imaging Analysis
- Disease Prediction and Prevention
- Robotic Surgery
- Telemedicine and Remote Monitoring
- Healthcare Fraud Detection
- Personalized Medicine

AI JOB **OPPORTUNITIES** IN HEALTHCARE SECTOR

- Healthcare Data Scientists.
- Medical Imaging AI Specialist
- Clinical Informatics Specialist
- Healthcare Robotics Engineer
- Healthcare AI consultant
- Healthcare AI Developer

AI IN FINANCE INDUSTRY

- **Algorithmic Trader:** Creating automated trading strategies using AI and machine learning to optimize trading performance.
- **Chatbot Developer:** Building conversational AI solutions to enhance customer support and interactions.

AI IN EDUCATION INDUSTRY

AI educational content creator

Learning experience designer

Data analyst

AI engineer for educational software

AI IN TECHNOLOGY INDUSTRY

Automation and Efficiency

Predictive Analysis

Cyber security

NLP and Chatbots

AI IN LOGISTICS AND SUPPLY CHAIN

- Current Trends

- There are over 205,380 L Cos and 14,051 3PLs in UK alone. With 28.1% in 2020 up from 19.1% in 2019 contributing 10% of UK's success. the industry has reach $478.3bn in 20.

- The UK logistics market size reached US$ 478.3 Billion in 2022 and is expected to reach US$ 689.2 Billion by 2028.

CHALLENGES

- **Operational challenges. Lack of infrastructure and systems**
- Geo-Politics: West Vs the East. America's economic war of US and China.
- Economics: Economic war , geopolitics.
- Effects of Covid 19: shortages of inputs, job lay offs, shortages of workers loss to covid.
- Low global demand of goods and services.
- Failure to meet customer needs.
- Closures of companies due to low sales.

OPPORTUNITIES

- Logistics and supply chain job opportunities has more than doubled.
- The UK logistics market size reached US$ 478.3 Billion in 2022.
- Expected to reach US$ 689.2 Billion by 2028
- Job roles:
  - Operations managers. Warehouse/Distribution specialists/managers/executives. Vendor management, Operations analyst, transport managers, warehouse network managers. Retail mangers, retail officers customers care, maintenance staff, etc.

AI IN INTERNSHIP AND NETWORKING

- Importance of internship for international students
- Insights into building a professional network in ai field.

IMPORTANCE OF INTERNSHIP FOR INTERNATIONAL STUDENTS

- •HANDS ON EXPERIENCE
- •SKILL DEVELOPMENT
- •NETWORKING
- •RESUME ENHANCEMENT
- •JOB OPPURTUNITES
- •PERSONAL GROWTH

AI - INSIGHTS INTO BUILDING A PROFFESIONAL NETWORK

- •IHM, HealthTech Alliance for healthcare-related AI networking.
- •Chartered Institute for Securities & Investment (CISI) for AI in finance networking.
- •British Educational Research Association (BERA) for networking in the education and AI space.
- •Data Science Society and Data Science London for networking with professionals in this field.
- •UK-RAS Network (UK Robotics and Autonomous Systems Network) for networking within the robotics community.
- •British Machine Vision Association and Society for Artificial intelligence and the Simulation of Behavior (AISB) for networking opportunities.
- •Chamber of commerce

SUCCESS STORY

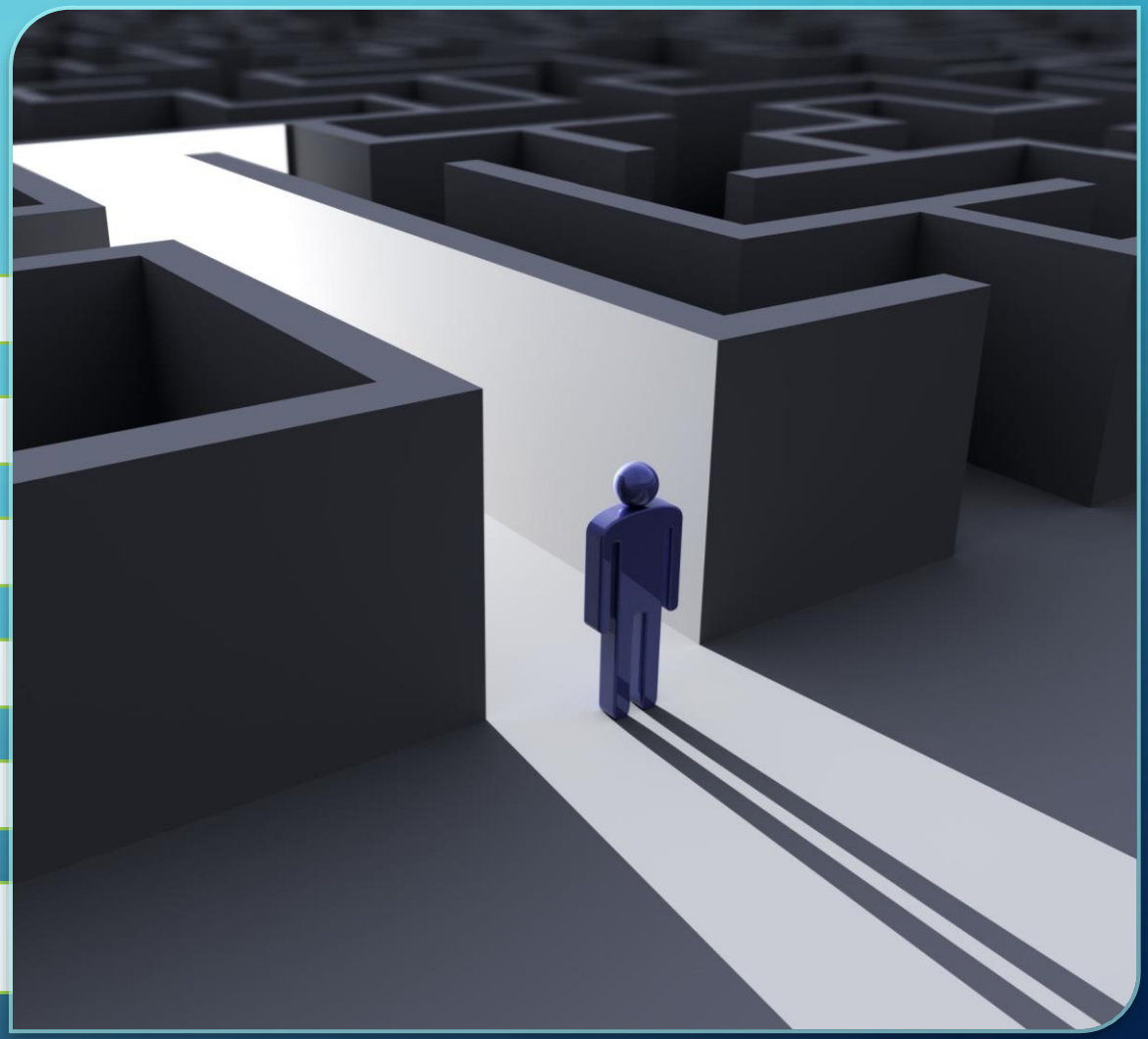
Avani Singh: Operations Analyst got job in Splitero using AI

Allan Pallickal: order and operations analyst at Sony

Jonathan Chavez: Associate Account Manager at The Walt Disney Company

OVERCOMING CHALLENGES

- Researching the job market and industry trends in the UK.
- Seeking out career development services provided by universities.
- Building a strong online professional presence on platforms like LinkedIn.
- Leveraging any existing connections, including classmates and professors.
- Gaining relevant work experience through internships, part-time jobs, or volunteering.
- Improving language skills and cultural awareness through workshops and language courses.
  - Language and cultural barriers in job search



VISA AND IMMIGRATION CONSIDERATIONS

Skilled Worker Visa:

The Skilled Worker Visa is designed for individuals who have a job offer from a licensed sponsor in the UK and meet certain eligibility criteria.

This includes a minimum skill level and English language proficiency.

This visa route is applicable to a wide range of skilled professions, including those in the AI field.

RESOURCES AND SUPPORT

- ONLINE RESOURCES
- COURSERA, EDX, YOUTUBE, AI BOOTCAMPS, CONFERENCE

- CODING AND DEVELOPMENT
- GITHUB, KAGGLE, R, JAVA, PYTHON, MATLAB, JULIA

- AI CONFERENCES AND EVENTS
- ICML, AAAI, CVPR, NEURIPS

Q&A SESSION

Stunited

Uniting Students Globally

www.stunited.org