

# FAWAZ AHMED DAR

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## SUMMARY

Enthusiastic Data Science & AI graduate student with hands-on experience building predictive models and AI prototypes using Python, pandas, scikit-learn, and TensorFlow. Skilled in exploratory data analysis, data cleaning, and agile team collaboration, with a passion for translating real-world data into actionable insights and driving AI-First innovation. I'm fully eligible to work in all software related fields.

## EDUCATION

**MSc in International Business with Data Analytics, 1st** | University of Ulster | 2025 - Current

- **Modules:** The Digital Landscape, Data Analytics for International Business, Global Strategy Development & Implementation

**BSc in Computer Science, 1st** | National University of Computer & Emerging Science | 2019 – 2023

- **Modules:** Data Mining, Digital Image Processing, Artificial Intelligence, Machine Learning, Cloud Computing, DevOps, Databases

## WORK EXPERIENCE

**Client Services Coordinator** | G4S Global | April 2025 – Current | London, United Kingdom

- Worked with a biometric scanner that now checks 1,200 visa files each month.
- Enhanced metal detection model to identify sharp and glass objects with accuracy of around 89%.

**AI Engineer (Trainee)** | M & H MOTORS LTD | January 2025 – April 2025 | Birmingham, United Kingdom

- Added a Gen-AI ride picker that grew monthly sales 17 %.
- Deployed a vehicle and pedestrian detection model that can scan up to 95% of available information from camera simultaneously.

**Founder** | DTools AI | April 2024 – December 2024 | Islamabad, Pakistan

- Founded and scaled an AI-driven platform with an end-to-end NLP and SQL pipeline that processes over 1,000 scientific articles weekly, improving early-stage technology detection accuracy by 35% and cutting review cycles by 30%.
- Launched a semantic search engine for patent portfolio analysis, reducing manual screening time by 25% and increasing the discovery of novel healthcare technologies by 15%.

**Machine Learning Engineer** | Revive Medical Technologies | March 2023 – April 2024 | Islamabad, Pakistan

- Trained PyTorch image models on GPUs to cut scan time for doctors and prescribe using LLM and Quiz.md.
- Served the model through a REST API and tracked drift with simple alerts.

**Technical Support Professional** | IBM | September 2022 – January 2023 | Islamabad, Pakistan

- Honed my skills in developing innovative and efficient solutions to meet the needs of clients. I have extensive experience in using Java and its associated frameworks to create robust and scalable applications.
- Worked with Siebel Software, where I was able to expand my knowledge and experience in developing customer relationship management systems.

## PROJECTS

**AI-Powered Booking Recommendation Engine**

- Engineered an AI-powered booking recommendation engine using a compact LLM to identify optimal taxi options, reducing recommendation errors by 40%.

**UNet++ for Road Elements Detection from Satellite Imagery**

- Implemented a GPU-accelerated TensorFlow UNet++ segmentation model to detect road elements in satellite imagery, improving detection accuracy by 30%.

**Dysphasia Chatbot Using Google Speech-to-Text and Gemini**

- Engineered a voice-enabled chatbot leveraging Google Speech-to-Text, Gemini AI-powered multiple-choice question generation, and Google Text-to-Speech to facilitate seamless doctor-patient communication for individuals with expressive dysphasia.

**AI-TRAX: Pulmonary Fibrosis Progression Prediction**

- Architected an EfficientNet-B5-based deep learning model with quantile loss to predict pulmonary fibrosis progression, boosting lung decline forecast accuracy by 25%.

## LANGUAGES AND SKILLS

**Skills:** Python, r, sql, pandas, numpy, scikit-learn, tensorflow, pytorch, jupyter notebook, data visualization, machine learning, ai research, exploratory data analysis, data cleaning, agile collaboration, Git, Docker, cloud computing (AWS/GCP), communication, teamwork

**Certifications:** Azure Fundamentals - Microsoft, Fundamentals for Istio - Solo.io, AWS Machine Learning – Specialty certification