

Faran Zafar

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PERSONAL PROFILE

Having graduated with a Bachelor's degree in Computer Science from Aston University, I am a driven and passionate professional with a deep-rooted interest in Big Data and Data Analytics. I am looking for graduate-facing roles in the tech industry. I have the right to work in the UK.

EDUCATION

Aston University

BSc in Computer Science

Birmingham, UK

Sept 2021 – Sept 2024

- Predicted Grade: First Class Honours
- Distinction in the following courses:
 - DSA in Java, Object Oriented Programming, Computer Systems, Software Engineering, Artificial Intelligence

WORK EXPERIENCE

Aston University

Teaching Assistant for College of Engineering and Physical Sciences

Birmingham, UK

Oct 2023 – Present

- I clarified OOP concepts such as encapsulation, polymorphism, bridging theory with hands-on practice.
- Mentored 10+ student teams of 6 members in OOP, emphasizing best practices.
- Reviewed student codes for efficiency, offering face-to-face feedback.
- Partnered with the lead instructor for lesson planning by planning class activities.
- Led 8+ hands-on workshops on advanced OOP topics with students ranging from 30 to 50 in each workshop.

School of Coding and AI

Lecturer

Birmingham, UK

Jan 2024 – Present

- Taught Python and Java, making complex topics accessible using techniques such as analogies and hands-on exercises.
- Developed engaging programming content in the form of small coding tasks and gaming exercises.
- Tailored support to individual student needs by taking regular feedbacks and adjusting the pace and complexity of the lectures.

HSBC

Virtual Trainee

Birmingham, UK

Sept 2023 – Sept 2023

- Completed a simulation focused on the areas of Operations and Technology within the Digital Business Services division, with the objective of gaining hands-on experience to work as an Operational Analyst.
- Brainstormed a high-level list of initiatives using Cost/Benefit Analysis to help drive the organization to Net Zero.
- Led the team to get organized to tackle the discovery phase of a project.
- Analyzed transaction data to determine priority currencies.

Fiverr

Web Developer

Remote

Sept 2022 – Feb 2023

- Developed custom websites and Shopify sites, expanding digital expertise.
- Showcased skills to 5+ international clients, increasing global reach.
- Enhanced profile, leading to a 15% visibility boost on Fiverr.
- Maintained a 4.5/5-star rating from over 40 reviews for quality service.
- Achieved 90% project success with efficient communication.
- Generated 10% monthly revenue growth through strategic management.

LEADERSHIP EXPERIENCE

Aston Computer Science Society

Treasurer

Birmingham, UK

Nov 2022 – June 2023

- I oversaw finances and event planning as Treasurer of the Aston Computer Science Society, enhancing operational efficiency by reducing expenses by 10%, thus resulting in 5% more events per semester.

Aston Health Innovation

Leader/Runner Up

- I lead team of the startup InstaMDAI, developing an AI-based solution to reduce NHS queue times by prioritizing critical cases and optimizing doctor allocation.

Birmingham, UK

Nov 2023 – Nov 2023

Aston Mentorship Program

Mentor

mentored 8 students who studied a year prior to me, helping them with their studies and guiding them through the course and their projects. I assisted them in developing time management skills and offered exam preparation support.

Birmingham, UK

Dec 2022 – June 2023

Aston Hackathon

Organiser

- I was leading member of the team and organised the 2022 Aston Hackathon with nearly 100 participants over the span of two days, coordinating all events with a team to ensure timely execution.

Birmingham, UK

Dec 2023 – Dec 2023

PROJECTS (More Projects available on GitHub: <https://github.com/farandead>)

Litigat8

Oct 2023 – Present

NLP/AI Project

- Utilised NLTK and SpaCy for NLP, enhancing legal language processing in the chatbot.
- Trained GPT and BERT models with TensorFlow and PyTorch, boosting chatbot accuracy.
- Developed Flask backend for efficient chatbot operation and user interaction.
- Employed Pandas, NumPy, and Scikit-learn for streamlined data handling in model training.
- Implemented RESTful APIs for easy chatbot integration.

AI Stock Market Predictor

Jan 2024 – Feb 2024

ML Project

- Engineered a stock market predictor with Keras and LSTM model, achieving 96.3% accuracy in variance detection.
- Leveraged Pandas and NumPy for efficient data manipulation and preprocessing.
- Utilized Matplotlib for creating insightful visualizations of stock trends, aiding in model evaluation.
- Implemented the application interface with Streamlit, enhancing user interaction

Neuroevolution in Robotics

Dec 2023 – Jan 2024

Research Project

- Explored NEAT and HyperNEAT algorithms in Robotics.
- Analysed their impact on computational efficiency and adaptability.
- Highlighted the significance of evolving both topology and weights.
- Identified recent innovations in neuroevolution algorithms for robotics.

SKILLS & CERTIFICATIONS

Tools: NumPy, Pandas, Flask, SQL, Spring Boot, Flask, SpaCy, Keras, Wireshark, Linux/Ubuntu, Streamlit, Matplotlib, Jupyter

Programming languages: Python, Java, PHP, HTML, CSS, JavaScript

Certifications:

Google

Cybersecurity Professional Certificate

Birmingham, UK

Aug 2023 – Jan 2024

- I Identified cyber threats, vulnerabilities and risks, implementing risk management and mitigation techniques.

INTERESTS

Gym, Dancing, Coding, Video Games (My current favourite is Valorant), Self-help Books and Socialising.