

Iman Hussain

Entitled to work in Netherlands

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Data Scientist (PhD) with over 6 years' of experience in turning raw data into actionable intelligence. Experience in building high-accuracy predictive models & data visualisation.

Skills

Python: NumPy, SciKit-Learn, Pandas, PyTorch, Keras, TensorFlow.

SQL: PostgreSQL, MySQL.

R Statistical Language: ggplot2, glmnet, plotly.

Cloud: AWS, Docker, Git, Linux (Arch, Ubuntu, Yocto), Kubernetes.

Visualisation: Tableau, PowerBI, Matplotlib, Seaborn.

Artificial Intelligence & Machine Learning: Hugging Face, OpenAI API, neural networks, deep learning, LLMs.

Work Experience

Cranfield University – Lecturer (2023 - 2025)

- Worked with industry partners (BAE Systems, Santander, HM Government) to redevelop Computer Science and Data Science courses to meet student need and industry standards.
- Delivered lectures and workshops on data analytics and science to over 300 industry professionals.
- Demonstrated teamwork, managing and training 20 lecturers and teaching assistants in effective mentoring, feedback and presentation skills.

Centre for Global Eco-Innovation – Researcher (2021 - 2023)

- Developed predictive modelling techniques using regression and deep learning to balance indoor air quality and reduce energy usage by 17% to meet stakeholder and sustainability needs.
- Designed and deployed end-to-end data pipelines to process over 2 million real-time data points over 2 week periods from Linux based IoT sensors.
- Presented complex model outputs, data visualisations and strategic recommendations to over 30 stakeholders, delivering actionable insights to inform data policy.

CapGemini – Computer Vision Developer (2020 - 2021)

- Built a TensorFlow and OpenCV based computer vision model that automated data extraction from images and live video with 86% accuracy in real-world tests.
- Collaborated as part of a team using agile methodologies, scrum management and Git version control.
- Presented business case and live technical demonstration to a panel of senior executives winning 3rd place out of 40 competitors.

Education

Lancaster University - PhD Candidate, Computer Science (January 2021)

University of Wolverhampton - MSc Computer Science Distinction Star (September 2019 – July 2020)

University of Wolverhampton - BSc Computer Science First Class with Honours (September 2016 – July 2019)

Achievements & Engagement

IBM Call for Code 2020: World 2nd Place Finalist, Team LUPE

CapGemini TechChallenge 2021: Top 3 Finalist, Team Visionaries

Public Speaking: Invited speaker at major forums including TEDx, COP26, and the ACM SIGCHI '23 conference.

Publications: Lead author on peer-reviewed papers, including "The Indoor Air Quality Trilemma" (CHI EA '23) and "Ensuring Food Supply & Security" (IGI Global).