

Anthony Ashwin Peter Chazhoor

Newcastle Upon Tyne, United Kingdom

✉ anthony.chazhoor@northumbria.ac.uk ☎ (+44) 79-09-62-4314

🌐 linkedin.com/in/anthonyashwin/

EXPERIENCE

QA LTD (Part-Time)

Lecturer

Jan 2022 - Present, Newcastle, U.K.

- Designed and delivered course content on machine learning, data analysis, Python, and Java programming.
- Successfully taught 200+ students programming in Python and Java for careers in AI and software development.
- Developed and tailored Computer Science and AI courses, creating 30 high-quality PowerPoint presentations.

Northumbria University (Part-Time)

Senior Research Assistant

Jan '22 - May '24, Newcastle, U.K.

- Improved safety through the development and implementation of advanced machine learning algorithms.
- Improved flood prediction models, contributing to better disaster preparedness and response strategies.
- Enhanced project outcomes by collaborating effectively with cross-functional teams and stakeholders.
- Continuously expanded research capabilities by mastering and applying new techniques, driving innovation in the field.

Northumbria University (Part-Time)

Demonstrator

Oct '20 - May '24, Newcastle, U.K.

- Conducted workshops on data science, big data, SQL, statistical techniques, and Azure fundamentals, enhancing participants' technical skills.
- Mentored students on research projects, significantly improving their data analysis and problem-solving abilities.

Projects

Detecting Patterns in UK Crime Data (Personal Project)

- Improved crime trend forecasting through exploratory data analysis, SQL, ANOVA, SARIMA, and regression techniques.
- Generated data-driven insights to enhance understanding of crime patterns and inform decision-making.

Hazard Detection using VR and LLMs (Northumbria University)

- Developed machine learning models for detecting hazards in construction sites using virtual reality and NLP.
- Pioneered the integration of AI techniques, delivering practical safety solutions.

Flood Prediction Using Sensors (Northumbria University)

- Provided critical insights on utilizing sensors for efficient environmental data collection.
- Applied SQL and statistical techniques for environmental monitoring and prediction.

AI-Driven Safety Measures in Construction (Arcus Consulting)

- Utilized Faster R-CNN for object detection in construction sites.
- Integrated ML models with cloud for real-time analysis.

SUMMARY

PhD candidate specializing in machine learning (ML) and deep learning (DL), with expertise in AI techniques for complex data analysis. Proficient in statistical methods, SQL, and relational databases. Seeking a dynamic role to apply my skills in a fast-paced, innovative environment. Committed to continuous learning and personal development.

SKILLS

Back End	Python, C++, Java
ML/DL	PyTorch, TF, ONNX
AI Models	CNN, Llama, GPT,
DevOps	Docker, Kubernetes, GitHub, MLFlow
Database	SQL
Cloud	Azure, AWS
Soft Skills	Resilience, Attentiveness

EDUCATION

Northumbria University Newcastle, U.K.

PhD - Machine Learning (Thesis Submitted)

Mumbai University Mumbai, India

Masters of Science - Physics

Mumbai University Mumbai, India

Bachelor of Science - Physics

SCORES

HackerRank

Hackos: 300+, Solved problems: 40+

Certifications

- Azure AI Fundamentals

INTERESTS

- Guitar
- Hiking