

## Mmesoma Nwachukwu

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[Git hub profile](#), [LinkedIn](#)

### EDUCATION

#### Coventry University

*Expected Graduation May 2026*

BSc Computer Science – *Predicted First Class Honors*

*Courses:* Programming and Algorithms, Computer Systems, Mathematics for Computer Science, Artificial Intelligence, Theory of Computation, Advanced Algorithms, Data Science, Software Engineering

### PROFESSIONAL EXPERIENCE

#### Software Engineer

#### Projekt Rising

**Dec 2025-Present**

- Building AI solutions for small and medium businesses by analysing their workflows, identifying automation gaps, and shaping model requirements that fit real operational needs.
- Integrating models into client systems by creating APIs, connecting data sources, and setting up monitoring routines that track accuracy, latency, and user outcomes.
- Delivering contract projects by running model experiments, improving performance, and preparing deployments that clients can use in day-to-day work.

#### Software Engineer Intern

#### SalesAPE.ai

**Dec 2025-Present**

- Building MVPs and proof of concept projects in the hacksquad team by testing ideas, validating technical feasibility, and providing working demos for leadership.
- Supporting product development by documenting experiments, improving model reliability, and preparing prototypes that move closer to production use.

#### Digital Services Year in Industry

#### National Highways

**July 2024-July 2025**

- Built AI models to improve efficiency and support multi-billion-pound infrastructure management.
- Developed a knowledge graph with **Retrieval-Augmented Generation (RAG)** to extract insights from a large corpus of interconnected documents.
- Built a computer vision model to remove weather effects from CCTV images for clearer traffic analysis with **98% accuracy**.
- Acted as **Data Scientist** in a Scrum team to deliver a geospatial segmentation model for asset management.
- Collaborated with stakeholders to align business needs with technical delivery.

#### AI Trainer

#### Outlier AI

**July 2024-May 2025**

- Trained generative AI models for code generation through problem-solving and output evaluation.
- Created functional test cases and provided technical feedback to improve AI-generated code
- Applied software engineering across Python, JavaScript, and C++ to develop next-gen coding tools.

#### Research Intern

#### Imperial College London

**June-July 2023**

- Collaborated in a cross-functional team to design sustainable solutions in energy and infrastructure.
- Prototyped data-driven technologies addressing climate resilience and scalability.
- Worked with researchers and industry mentors to assess impact and feasibility of innovations.

## **Software Engineering Intern**

## **Paradigm Finance**

**Sept-December 2021**

- Implementing and adhering to security best practices to safeguard sensitive financial data.
- Assisted with basic credit risk analysis by building tools to assess client portfolios and generate reports.
- Developed and maintained internal web applications.

## **PERSONAL PROJECTS**

### **Image Verification SAAS product**

- Developed an image recognition and verification model using convolutional neural networks
- Sold the system to clients for security system integrations.

### **ExcelPoint Web Application**

- Creating an AI-powered web application for educational development and guidance.
- Integrating machine learning algorithms for career trajectory analysis.
- Using AI to help students understand their course materials better

## **LEADERSHIP EXPERIENCE**

### **Head of Engineering**

### **Responsible AI Governance Initiative**

**Aug 2025-Present**

- Leading the engineering efforts for a nonprofit focused on responsible AI development and governance.
- Managing a cross-functional technology team to build projects aligned with ethical AI standards.
- Overseeing architecture and development of technical projects

## **SCHOLARSHIPS AND AWARDS**

- **Year in Industry Student of the Year** – National Highways (*1 of 10 selected from 400 participants*)
- **Santander Universities Scholarship** – Santander Bank (*1 of 100 nationwide*)
- **AWS Machine Learning Scholarship** – Top 2% of 50,000+ DeepRacer applicants
- **Best Canadian Foundation Student** – 16 Plus Schools
- **Intern of the Year** – Paradigm Finance

## **SKILLS**

- **Languages:** Python, C++, JavaScript, HTML/CSS, R, Typescript, SQL,
- **Tools:** TensorFlow, PyTorch, NumPy, Pandas, Databricks, PostgreSQL, MongoDB, Git, VS Code, Jupyter, AWS, Knowledge Graphs, React,

## **CERTIFICATIONS**

- CISCO Networking Academy: Introduction to Networks
- Coursera - Convolutional Neuro Networks

## **VOLUNTEERING**

- **Coventry University Sports Society** – Football captain
- **Big Bang Fair Volunteer 2025**
- **Student Mentor** – Zero Gravity