

# Oluwakorede Dayo-Babatunde

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## EDUCATION

### University of Nottingham

Jun 2026

BSc, Computer Science

- **Achievements:** Second-year classification: 2-1

## TECHNICAL SKILLS

- **Languages:** Python, Java, TypeScript, PostgreSQL,
- **Cloud & DevOps:** Microsoft Azure, Terraform, Docker, Git, API Communication
- **Tools & Collaboration:** Jira, Trello, Confluence, Figma, FRET
- **Methodologies:** Agile (Scrum), Requirements Engineering, SOLID Principles

## PROJECTS

### Crypto Price Tracker

Aug 2025

*Python, FastAPI, PostgreSQL, Power BI | Solo API Development Project*

- Built an end-to-end pipeline that fetches live crypto prices from CoinGecko, stores them in PostgreSQL and exposes a typed REST API with FastAPI.
- Implemented idempotent bulk ingestion using PostgreSQL ON CONFLICT and server defaults to ensure reliable data capture.
- Wrote unit and endpoint tests with pytest and used an isolated test database for fast feedback.
- Created a Power BI dashboard showing KPIs and daily average price trends, with slicers for symbol-level analysis.

### Azure DevOps Project

Aug 2025

*MS Azure, Flask, Terraform, Pytest, Docker | Solo DevOps Project*

- Built an end-to-end deployment pipeline for a Dockerised Python Flask app to Azure App Service using Terraform, including remote state management and reusable modules.
- Automated CI/CD with GitHub Actions to build and push images to Docker Hub and deploy to Azure, using GitHub Secrets and an Azure service principal for secure credentials.
- Implemented a multi-environment strategy with Terraform workspaces and variable files, plus automated teardown scripts to control cloud costs.
- Applied infrastructure as code best practice, including Terraform formatting and validation, and added observability via Azure Application Insights for telemetry and error tracking.

### IBM Cybersecurity Learning Game

Sep 2024 - May 2025

*Godot, Git, Jira, Watson X | Team of 8 | 6-Month Industry Project*

- Designed and implemented structured branching strategies as Git administrator improving team efficiency and code quality.
- Documented and validated software requirements tied to IBM SkillsBuild learning outcomes, ensuring measurable educational impact.
- Conducted bi-weekly sprints and retrospectives, promoting continuous delivery and stakeholder engagement.

### Lock-IN Wellbeing Tracker (MVP)

Mar 2025 - May 2025

*Jira, Confluence, Figma, FRET | Solo Requirements Engineering Coursework*

- Wrote detailed requirements, user stories, personas, and use cases based on a given project brief.
- Documented specifications and verification criteria using Confluence and FRET for clarity and testability.
- Planned sprints in Jira to simulate Agile delivery and requirements and prioritisation.
- Developed a Figma prototype and pitched design decisions to mock stakeholders.

### Mentor-Mentee Pairing Application

Sep 2024 - Nov 2024

*Java, JUnit | Solo Test-Driven Development Coursework*

- Developed the Admin module of a mentor-mentee application using JavaFX, allowing mock pairing of mentors and mentees through an interactive UI.
- Followed the MVC architecture and SOLID principles to structure maintainable, scalable code.
- Applied Test-Driven Development using JUnit to ensure functionality and high code coverage.
- Documented the codebase with Javadoc comments to support readability and future maintenance.

## EXTRACURRICULAR ACTIVITIES

### Computer Science Mentoring Scheme

Sep 2024 - Jun 2025

*Mentor*

- Coached new students on academic and personal development, enhancing communication and advisory skills.
- Coordinated academic workshops with mentors, demonstrating initiative, teamwork, and stakeholder coordination.