

# TOLULOPE AWONOLA

Dublin, Ireland

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## Education

### Maynooth University

Kildare, Ireland

Bachelor of Science in Computer Science and Software Engineering (**Average: 2:1**)

September 2022 - current

**Relevant Coursework:** Algorithms and Data Structures, Software Testing, Cryptography, Databases, Machine Learning, Artificial Intelligence, Computer Architecture, Web Information Processing, Software Engineering and Software Process

## Technical Skills

**Languages:** Java, SQL, Python, JavaScript, Flask, C++, HTML/CSS

**Frameworks & Tools:** VS Code, Eclipse, Git, Postman, MongoDB, Flask (Python web framework), Docker, Jira

**Achievements:** Placed **1st Place in the CSC Coding Competition** at Maynooth University

## Experience

### Junior Developer Analyst

Kildare, Ireland

Maynooth University

Mar 2025 – Aug 2025

- Led Agile development team of 8 as **Scrum Master**, coordinating sprints and facilitated stakeholder communications.
- Designed and implemented 2 **REST API endpoints** from scratch using Python Flask, including demonstrator allocation retrieval and timestamp functionality, with comprehensive error handling and validation.
- Implemented secure **CRUD operations** and built 30+ unit tests following **TDD methodologies**.
- Managed full software development lifecycle using Agile methodologies, Jira for project tracking, Git for version control, and participated in code reviews and technical documentation.

### IT Support Intern

Dublin, Ireland

FLYNN

June 2024 – September 2024

- Supported with system upgrades on windows, which contributed to improved performance, security, and scalability.
- Assisted in **network configuration and troubleshooting**, ensuring secure connectivity and compliance with organizational IT policies.
- **Designed and deployed automated installation procedures** for Bluebeam on Windows platforms, increasing system effectiveness and decreasing errors in manual configuration.
- Collaborated on **endpoint security management**, including software patching and vulnerability mitigation.

### Tutor and Demonstrator (Computer Science Center)

Kildare, Ireland

Computer Science Center (Maynooth University)

September 2023 – May 2024

- Facilitated **lab sessions for Java programming** courses, resulting in a noticeable improvement in students understanding and application of Java.
- Provided personalized guidance to students, resulting in a measurable increase in their confidence and performance in programming-related coursework.

## Projects

### Password Manager (Github link: Password Manager) | Flask, SQLAlchemy, Cryptography

September 2025

- Built a full-stack web application with Flask, integrating backend APIs and a responsive frontend to securely store and share passwords
- Implemented user authentication with bcrypt for password hashing and Flask-Login for session management.
- Designed a simple frontend UI with Jinja2 + Bootstrap for password management, sharing, and log viewing.

### Personal Portfolio Website (portfolio link: Tolu's Portfolio) | HTML, CSS, Javascript

August 2024

- Created professional portfolio to showcase technical projects and skills to potential employers while enhancing knowledge of HTML, CSS, and JavaScript technologies.
- Implemented clean, modern UI design with structured sections for skills demonstration and career progression display.
- Deployed live web application demonstrating frontend development capabilities and professional web presence.