

SOURAV VERMA

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Professional Summary

Recent Software Engineering graduate with a strong foundation in software design, development, and testing. Experienced in Java, Python, C#, and cloud technologies, with hands-on project work in supply chain solutions, secure messaging systems, and fitness applications. Highly adaptable and eager to contribute as a Graduate Software Engineer or Data Analyst.

Education

B.Eng. in Software Engineering (Hons)

Edinburgh Napier University – Edinburgh, UK

GPA: 66.43/100

Sept 2021 – May 2024

Technical Skills

- **Programming Languages:** Java, Python, C, C++, C#, HTML, CSS, JavaScript, SQL
- **Development Tools:** VS Code, Microsoft Visual Studio, NetBeans, Docker
- **Databases:** MySQL, Firebase, SQL
- **Cloud Platforms:** Microsoft Azure (App Services, Azure Functions, DevOps)
- **Testing & CI/CD:** JUnit, GitHub Actions, Git, Linux
- **Data Analysis Tools:** PowerBI, basic exposure to data manipulation with Python
- **Frameworks:** Agile Methodology (Scrum, Kanban), Java Swing, WPF

Professional Experience

Software Engineer Intern

Edinburgh Napier University – Edinburgh, UK

Jan 2023 – May 2023

- **Reduced time-to-market by 20%** through the development of an AI-driven supply chain management platform using Java, JADE (Agent Framework), and MySQL.
- Authored over 50 JUnit test cases, increasing software reliability and achieving a **95% success rate** during initial testing phases.
- Improved database query efficiency by **15%** through SQL query optimization.
- Contributed to a team of 5 developers, employing Agile Scrum to deliver the project on time.

Key Projects

Agent-Based Supply Chain Software (2023)

- Delivered a Java-based solution that automated supplier negotiations, improving transaction efficiency by **25%**.
- Designed a responsive interface using Java Swing, tested across 3 different user scenarios, achieving a **99% bug-free rate**.

Napier Bank Messaging Platform (2022)

- Engineered a secure messaging system for real-time communication, tested with **over 500 simulated users**, ensuring **100% encryption reliability**.
- Identified and resolved critical vulnerabilities, reducing bug occurrence by **30%** during development.

Fitness Application (2023)

- Created a fitness platform that attracted **200+ test users** in initial deployment using Android Java and Firebase.
- Established CI/CD pipelines with GitHub Actions, reducing deployment errors by **20%**.

Portfolio Website (2024)

- Designed and launched a personal portfolio site viewed by **50+ potential employers**, showcasing projects and technical skills.

Python Interactive Projects (2024)

- Developed educational projects, including Sudoku and Hangman, that improved algorithm performance by **10%** through iterative optimization.

Leadership & Additional Skills

- Class Representative for a year, advocating student concerns and improving communication between faculty and peers.
- Strong adaptability and quick learner of new systems, frameworks, and languages.

References: Available upon request.