

## Links

<https://souravverma3738.github.io/Portfolio/>

## PROGRAMMING SKILLS

**Programming Languages:** Java, Python, C, C++, JavaScript, C#, HTML, CSS.

**Development Tools:** Eclipse, VS Code, Microsoft Visual Studio, NetBeans.

**Frameworks:** React, Jade (Agent Framework), DOTNET Framework(.Net), Spring Framework.

**Databases:** MySQL, Firebase, Oracle, SQL, Microservices.

**Methodologies:** Agile Methodology.

**Other:** Docker, Software Testing (JUnit), Git, Linux, Software Development Life Cycle..

## ACHIEVEMENTS

- Served as a class representative for one year, addressing various student issues and fostering strong relationships with peers. This achievement enabled to improve my communication and leadership skills.
- Played as an opening batsman on the school cricket team for two years.

## References

- Name: Simon Powers ([S.Powers@napier.ac.uk](mailto:S.Powers@napier.ac.uk)).
- Name: Simon Wells ([s.wells@napier.ac.uk](mailto:s.wells@napier.ac.uk)).
- Name: Andrea Scott ([A.Scott@napier.ac.uk](mailto:A.Scott@napier.ac.uk)).

## EXPERIENCE:

- Software Engineer Internship / EdinBurgh Napier University

Date: January 2023

- Developed software based on supply chain.
- Gained experience working with AI, Java, Jade, MySQL, and NetBeans.
- Authored JUnit tests.

## EDUCATION

- Bachelors of Engineering / Edinburgh Napier University

Date: September 2021

- BEng Hons Software Engineering : 2:1

- Diploma / Thapar University

Date: September 2017

- Computer Science Engineering. 2:1

## PROJECTS

### 1. DE-STORE

Date: 2024

- DE-Store is expected to be an expandable and adaptive system to accommodate changing business requirements in the future.
- Written in JAVA and database is MySQL.
- The software architecture is 3 tier architecture.
- Implemented version control and collaborative development through Git, ensuring efficient management of codebase changes.

### 2. FITNESS / GROUP PROJECT

Date: 2023

- Developed a comprehensive fitness platform using Android Java and Firebase, focusing on user engagement and seamless service integration.
- Managed source control with Git, ensuring smooth team collaboration and efficient merging of code branches.
- Established a CI/CD pipeline using **GitHub Actions**, automating the build process for the Android app, running unit tests, and performing static code analysis to maintain code quality.
- Automated deployment to Firebase Hosting, ensuring that each successful build was promptly deployed to the cloud, minimizing manual intervention and accelerating release cycles.

### 3. Agent-Based Supply Chain

Date: 2024

- Written in JAVA, Jade (Agent Framework), SQL database.
- In this Software, Agents find suppliers and negotiate with them for the users.
- Use Java Swings for the Front end of this Software and Microsoft Visual Studio.

### 4. Banking Application

Date: 2022

- Written in C Language.
- Provide Banking Features to the users such as doing transaction, Edit their details once a month, See their personal details.
- Use Sublime and based on Command based.

### 5. Napier Bank Messaging C#

Date: 2022

- Engineered a secure and efficient messaging solution for Napier Bank using C#, integrating with APIs for real-time communication and data exchange.
- Utilized unit testing frameworks to ensure code quality and stability, conducting thorough tests to identify and fix bugs early in the development cycle.