

Harshit (Harry) Sharma

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EDUCATION

KING'S COLLEGE LONDON - BSC COMPUTER SCIENCE YEAR IN INDUSTRY

SEPTEMBER 2021 - JULY 2025

- **Relevant Modules:**

- Introduction of Software Engineering: Organisational processes, **Agile design model**. **Automated testing**.
- Database Systems: Database architecture, **SQL**, **Relational** and Non-relational databases.
- Programming Practice application: **Java** and **Object Oriented Programming**.

- **Activities:** Member of KCLTech society.

THE DUSTON SCHOOL

SEPTEMBER 2014-2021

Achieved grades of ABB in Maths, Chemistry and Computer Science respectively for A-Levels. Achieved highest grades in Sciences, Maths and Humanities.

EXPERIENCE

WEATHER BALLOON PROJECT

SUMMER 2019

- Conducted self directed project with a group.
- Monitored weather patterns to designate launch date where the weather was clear.
- Leveraged weather patterns and general weather models to predict where the balloon would land.

UNIVERSITY PROJECTS

2021

- **Solo Programming:** Devised a solution to implement functionality for already written code. Programmed the the solution to implement the functionality achieving a mark of **85%** for solving the problem.
- **Pair Programming:**
 - Pair programming allowed me to familiarize myself with the concept of Code inspection.
 - Reviewed and Verified the constraints of the project.
 - Cataloged and unified all implemented functionalities using JavaDoc.
 - Created a simulation based on Conway's Game of Life gaining the above experience and a mark of **75%**.
- **Group Programming:**
 - Designed and assembled an Airbnb clone. Working with 4 people allowed to achieve a larger and more structured solution. Initiated the project by clarifying roles for each of the group members.
 - Helped clarifying the goals and objectives that needed to be achieved to complete the project. We had to also revise the strategy and redesign the GUI to fit the needs of the task.

USING PUBLIC RESOURCE: THE ODIN PROJECT

SUMMER 2022

- CLI: Using pipe-lining to chain commands, using Shell scripting to automate some commands such as removing files with a certain word count.
- Gained competency with Git and GitHub learning how to stage, commit and push. Clarified my understanding of the virtues of good commit messages and how useful it is in group development.

USING THE DJANGO FRAMEWORK FOR WEBSITE CREATION

OCTOBER 2022

- Programmed a CRUD website application for my university module using Django framework.
- Learnt how to create basic forms to understand the process of web development using a Python based framework.
- Surveyed documentation for Django to understand how to create input validations for the back-end of the website and the creation of a valid user.
- HTML programming used for skeleton of the website.

SKILLS

Languages: English, Hindi(conversational).

Microsoft Office: Word, Excel and PowerPoint.

Programming Languages: Python, Java(University), C++(University), VisualBasic(Beginner).

Other: HTML, CSS, Latex, SQL, Github.