

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**.

THE DUSTON SCHOOL

SEPTEMBER 2014-2021

GCSE: Geograpgy (9), Math (8), History (8), Combined Science (8/7), English Literature (7), English Language (6), Computer Science (6), Business Studies (LM2).

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

EXPERIENCE

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 THE DJANGO FRAMEWORK FOR WEBSITE CREATION

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.

RESEARCH OPERATIONS ENGINEER (INTERN) KING'S COLLEGE LONDON

SEPTEMBER 2023 - SEPTEMBER 2024

- Open source contribution to Spack, which is a widely used package manager for building and maintaining software for HPCs
- Work with the Puppet (Infrastructure as Code) language to maintain and configure our infrastructure.
- Create internal tooling using Slack API and Python to improve workflows. Built/Deployed through Puppet
- Work with end users in Conferences and Workshops

SKILLS

Languages: English, Hindi(conversational).

Microsoft Office: Word, Excel and PowerPoint.

Programming Languages: Python, Java(University), C/C++(University), VisualBasic(Beginner), Scala(University), Rust(Beginner), Golang(Beginner), Puppet.

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