

# Tayyeb Israr

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## EDUCATION

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### University of Leeds

*Computer Science BSc (First Year)*

Leeds, UK

Sep. 2024 –

- COMP1850 - Programming (Python, C) - 40 credits
  - \* Programming Concepts
  - \* Data Representation
  - \* Databases
- COMP1860 - Computer Systems and Architecture - 40 credits
  - \* Designing and implementing computer systems
  - \* Interfacing and interaction
  - \* Modern architectures
  - \* Operating system principles
  - \* Performance, Security & Evaluation of systems
- COMP1870 - Theoretical (Mathematical) Foundations of Computer Science - 40 credits
  - \* Data structures
  - \* Searching, Sorting, Graph Algorithms, Non-linear Equations, Complexity
  - \* Calculus, Probability, Linear Algebra - Vectors, Matrices
  - \* Discrete Mathematics, Proof Techniques

### Allerton High Sixth Form

*A-Levels*

Leeds, UK

Sep. 2022 – Aug. 2024

- A-Level Maths - A
- A-Level Further Maths - B
- A-Level Physics - B

### Allerton High School

*GCSEs (Grade 9-1/A\*-F)*

Leeds, UK

Sep. 2020 – Aug. 2022

Mathematics - Grade 9	Chemistry - Grade 9	Business Studies - Grade 9
English Literature - Grade 9	Physics - Grade 9	Computer Science - Grade 9
English Language - Grade 9	Geography - Grade 9	Religious Studies - Grade 9
Biology - Grade 9		French - Grade 8

## PROJECTS

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### Portfolio Website | *HTML, CSS, Bootstrap, JavaScript*

October 2024

- Designed an interactive and responsive personal portfolio website using the Bootstrap framework.
- Included personal/contact information and project information.
- Code available on GitHub (page header).

### Weather App (Harvard CS50 Final Project) | *Python, SQL, HTML/CSS, JS, Git, Flask*

October 2024 –

- Built a simple weather app which pulls live weather data for the user.
- Implemented an API and SQL with Flask and Python to pull the data.
- Used HTML, CSS, and JavaScript to produce a responsive website for the app.

### CS50 Problem Sets | *C, Python, SQL, HTML/CSS, JS, Flask*

July 2024 –

- Developed around 30 small projects across 9 problem sets assigned by Harvard University's CS50 course.
- Involved multiple programming languages throughout the course (listed above).
- Created programs ranging from 10-200+ lines of code, for example creating a bitmap image filter with 4 filters (Week 4 Filter-More).
- All problem set solutions are available on GitHub (page header).

ADDITIONAL SKILLS & QUALIFICATIONS

Harvard University CS50: Introduction to Computer Science

Online

CS50: Introduction to Computer Science (Online Course)

Jul. 2024 –

- Explored core CS concepts like data structures, algorithms, memory management, and software engineering principles.
- Built skills in C, Python, SQL, HTML, CSS, JavaScript, and Flask, applying these across 9 problem sets.
- Developed foundational skills by tackling programming assignments inspired by real-world applications in areas like finance, cryptography, and gaming.
- Completed an independent final project, showcasing practical coding skills and software design.

Languages

English - Native

Pothwari - Fluent

Urdu - Strong

Hindi - Intermediate

Spanish - Basic

EXPERIENCE

Sales Assistant

Aug. 2024 – Present

JD Sports Fashion

Leeds, UK

- Collaborated closely with team members in a fast-paced environment to meet deadlines and achieve sales targets, showcasing strong teamwork and communication abilities.
- Assisted in Visual Merchandising jobs in the store, helping to analyse and organise the positioning of clothing/footwear in accordance to VM criteria.
- Resolved customers' issues with efficiency and answered queries by identifying root causes and troubleshooting problems.

Temporary Administrative Clerk

Jun. 2023

Farooqui Associates Ltd.

Leeds, UK

- Processed and organised financial documents, demonstrating attention to detail and ability to work with structured data.
- Sorted and streamlined client filing to optimise productivity and reduce time to access required documents.
- Maintained strict confidentiality of client data and documents, ensuring data privacy laws are followed.

Sixth Form Student Leader

Feb. 2023 - Mar. 2024

Allerton High Sixth Form

Leeds, UK

- Planned and coordinated of school-wide activities, including assemblies, open days, and extracurricular events.
- Liaised with staff, administration, and external organizations to facilitate communication and ensure smooth execution of student-led initiatives.
- Led events for guests outside of school, for example the MaeCare Tea Dance for the elderly care home.

HOBBIES & INTERESTS

- Gym/Weightlifting** - Committed to a structured training routine, demonstrating discipline, resilience, and a goal-oriented mindset.
- Gaming** - Played team-based tactical games with a group of friends, which require communication, strategic planning using gathered intel, and collaborative problem-solving to win rounds and achieve team goals.
- Programming** - Enjoy learning new programming concepts and languages outside of formal education.
- University Societies** - Member of the Computing Society, AI Society and Islamic Society, where I enjoy networking and making new friends.