

# Rishab Rampure

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## EDUCATION

### University of Birmingham

*MEng Computer Science and Software Engineering*

Birmingham, UK

Sep. 2023 – June 2027

### Merryland International School

*Information Technology, Mathematics and Physics – A-Levels*

Abu Dhabi, UAE

2017 – 2023

## EXPERIENCE

### Software Development Intern

June 2024 – Sep. 2024

*Headstarters AI*

- Proficient in Full-Stack Development – Built and managed applications with React, Java, and APIs for efficient data processing and user interaction.
- Skilled in Client-Server Architecture – Designed secure client-server applications in C, focusing on data flow and network security.
- Experienced in Application Security – Integrated secure data handling and firewall rule management to ensure robust and scalable solutions.
- Collaborative Project Experience – Worked effectively in a team to design and develop solutions, demonstrating strong communication and teamwork skills.

### Information Technology Student Support

Sep. 2022 – May 2023

*Merryland International School*

Abu Dhabi, UAE

- Assess and troubleshoot computer problems brought by students
- Guided students in A-level Information Technology, enhancing their understanding and technical skills.
- Advised students in lower grades on choosing Information Technology as an A-level subject.

### Database Management Course

Sep. 2020 – May 2022

*Time Training Center*

Abu Dhabi, UAE

- Designed and managed databases using MS Access, creating efficient data structures and queries to optimize data storage and retrieval.
- Developed automated reports and forms in MS Access to streamline data analysis and improve workflow efficiency.
- Collaborated on database management projects, leveraging MS Access to provide actionable insights through custom queries and reports.

## PROJECTS

### Software Development Projects | *Java, JavaScript, C, React*

- Developed a professional Chatbox application using React and integrated APIs for seamless user interaction.
- Developed a full-stack web application using React and Java to analyze Items Stored in a supermarket.
- Developed a Client Server application and a project for Maintaining firewall Rules using C.

### University Projects | *Java, C, JavaScript, Java FX, Full-Stack, Haskell*

- Developed an object-oriented application in Java, applying core OOP principles such as inheritance, polymorphism, and encapsulation.
- Built a full-stack web application using IntelliJ, integrating both front-end and back-end components to provide a seamless user experience.
- Built a data-processing system in Haskell, utilizing lazy evaluation and algebraic data types to efficiently handle large datasets.

## TECHNICAL SKILLS

**Languages:** Java, C, SQL (Postgres), JavaScript, HTML/CSS, Haskell, Java FX

**Applications:** Adobe Animate, Adobe Photoshop/Illustrator, Microsoft Access, Microsoft Excel, Microsoft Expression Web, Video Editing

**Developer Tools:** Git, VS Code, Visual Studio, IntelliJ, Eclipse, Adobe DreamWeaver