**Syed Muhammad Ali Hassan**

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[GitHub](https://github.com/ali2002-collab)

Based in Cambridge, United Kingdom

# PROFILE

# Motivated and solution-driven Software Engineer, pursuing BEng (Hons) in Computer Science at Anglia Ruskin University with First Class Honors. Experienced in both front-end and back-end development, proficient in Java, C, C#, MySQL and React, and passionate about full-stack development. Hands-on experience in Agile methodologies with strong teamwork and problem-solving skills. Eager to learn new technologies and tackle challenges in system-level programming, cloud technologies, and AI/ML during internships, leveraging both academic knowledge and real-world exposure.

# TECHNICAL SKILLS

* **Front-End:** HTML, CSS, JavaScript, TypeScript, Tailwind CSS, SCSS, React JS, Next JS React Native
* **Back-End:** Java, C, Python (beginner), C++ (beginner), C#, MySQL (Proficient with **MySQL workbench**)
* **Tools & Platform:** Git, VITE, EXPO, Rapid API, Bootstrap, Figma, WordPress
* **Methodologies:** Agile, with a focus on collaboration and adaptability
* **Computer Science Fundamentals:** Data Structures, Algorithms, Object-Oriented Design, Computer Architecture, Software Security.

**EXPERIENCE**

* **HUZAIMA & IKRAM — Front-End Developer Intern**

**June 2024**

* + Collaborated with a dynamic team to develop a user-friendly admin dashboard using React.js.
  + Worked in an Agile environment, participated in sprint planning, and collaborated closely with cross-functional teams to meet project deadlines and deliverables.
  + Enhanced front-end development skills in a professional setting, focusing on teamwork and problem-solving.
* **Huzaima Ikram & Ijaz — Web Developer**

**Jan 2022 – June 2022**

* Worked in a team to design and maintain websites using WordPress, with a focus on meeting firm needs.
* Utilized Figma for design collaboration and project visualization.

# PROJECTS

* **SQL Linting Tool**
  + Developed a Java-based SQL Linting Tool Dashboard that authenticates users, assesses SQL health, views alerts, and applies fixes using the SQLFluff linting tool.
  + Integrated SQLFluff via Python’s ProcessBuilder to automate linting processes for SQL files, detecting errors and suggesting fixes based on the 'ansi' dialect.
  + Utilized Gson for parsing JSON data from SQLFluff and implemented features for error evaluation, alert viewing, and automated fix application.
  + Designed the tool’s dashboard to handle various user functionalities including *SQL Health Checker*, *View Alerts*, and *Apply Fixes*.
* **Car Sales**
  + Created a *C-based Car Sales Management System*
  + Utilized *header files* and *pointers* for modular code
  + Implemented *file management* to save purchase details
* **Find Your Job**
  + Built a job search app called *Find Your Job* using *React Native* and *Expo*.
  + Integrated *Rapid API* “J Search” to fetch real-time job data from external APIs and display it in the app.
  + Focused on responsive design and a seamless user experience while interacting with API data.
  + Utilized modern React hooks and state management to optimize data handling and performance.
* **Grafic Skills**
  + Developed a fully responsive website for a company called *Grafic Skills* using *React* and *Vite*, with *Tailwind CSS* for styling.
  + Focused on a clean, modern design, ensuring the site is fully optimized for different screen sizes and devices.
* **Personal Portfolio Website**
  + Designed and built a fully responsive personal portfolio using *React* and *Vite*.
  + Emphasized clean UI/UX design, mobile responsiveness, and performance optimization.

# EDUCATION

* **Anglia Ruskin University, Cambridge**

*BEng (Hons) Computer Science*

*January 2023 - January 2026*

* + **First Year:** Operating Systems, Computer Systems, Software Principles, Mathematics for Computer Science
  + **Second Year (Completed):** Data Structures & Algorithms, Digital Security, Network Routing, Computer Research Methodology
  + **Second Year (Pending):** Software Engineering, Database Design & Implementation, AI and the Future: A Threat to Humanity?
* **The City School Ravi Campus, Lahore**

*A-Levels: Computer Science, Mathematics, Physics*

*September 2020 - June 2022*

# ADDITIONAL INFORMATION

* **Skills:** Communication, Collaboration, Adaptability, Problem Solving, Attention to Detail
* **Languages:** English (Fluent), Urdu (Fluent)
* **Interests:** Competitive coding, tech events, photography, sports

# REFERENCES

Available on request.