

# Syed Muhammad Ali Hassan

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Based in Cambridge, United Kingdom

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## 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.