Syed Muhammad Ali Hassan

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LinkedIn Profile
GitHub
Based in Cambridge, United Kingdom

PROFILE

Passionate Software Developer with a growing interest in both front-end and back-end development, specializing in Java and C with hands-on experience in React and Web Development. Currently pursuing a BEng (Hons) in Computer Science with First Class Honors at Anglia Ruskin University. Known for problem-solving abilities, teamwork, and adaptability. Eager to tackle new challenges in systems-level development and learn new technologies like computer architecture, C++, and Python through practical experiences and internships.

TECHNICAL SKILLS

- **Front-End:** HTML, CSS, JavaScript, TypeScript, Tailwind CSS, SCSS, React, React Native
- **Back-End:** Java, C, Python (beginner), C++ (beginner)
- **Tools & Platform:** Git, VITE, EXPO, Rapid API, Bootstrap, Figma, WordPress
- **Computer Science Fundamentals:** Data Structures, Algorithms, Object-Oriented Design, Computer Architecture

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**

- o Created a *C-based Car Sales Management System*
- o Utilized *header files* and *pointers* for modular code
- o Implemented *file management* to save purchase details

- **Find Your Job**
  - o Built a job search app called *Find Your Job* using *React Native* and *Expo*.
  - o Integrated *Rapid API* "J Search" to fetch real-time job data from external APIs and display it in the app.
  - o Focused on responsive design and a seamless user experience while interacting with API data.
  - o Utilized modern React hooks and state management to optimize data handling and performance.

- **Grafic Skills**
  - o Developed a fully responsive website for a company called *Grafic Skills* using *React* and *Vite*, with *Tailwind CSS* for styling.
  - o Focused on a clean, modern design, ensuring the site is fully optimized for different screen sizes and devices.

- **Personal Portfolio Website**
  - o Designed and built a fully responsive personal portfolio using *React* and *Vite*.
  - o Emphasized clean UI/UX design, mobile responsiveness, and performance optimization.

EDUCATION

- **Anglia Ruskin University, Cambridge**
  BEng (Hons) Computer Science
  January 2023 - January 2026
  - o **First Year:** Operating Systems, Computer Systems, Software Principles, Mathematics for Computer Science
  - o **Second Year (Completed):** Data Structures & Algorithms, Digital Security, Network Routing, Computer Research Methodology
  - o **Second Year (Pending):** Software Engineering, Database Design & Implementation
- **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.