Zahra Yasin

Front-End Developer | Web Designer | AI Practitioner & Problem Solver

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EDUCATION

Punjab University College of Information Technology, Lahore Pakistan

Bachelor of Science in Information Technology - 3.76/4.00   Dec 2021 - May 2025

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Systems, Web Technologies, Artificial Intelligence, Information Security, Cyber Security

SKILLS

- **Languages:** C++/C, JavaScript, Java, Python
- **Frameworks:** React JS, Tailwind CSS, Bootstrap
- **Databases:** MySQL, Oracle, Mongo DB
- **Tools:** Git, GitHub, Visual Studio Code, Eclipse, Postman, Figma, Canva

WORK EXPERIENCE

Punjab University College of Information Technology, Lahore Pakistan

Teaching Assistant - Communication and Presentation Skills   Jan 2023 - May 2024

- Assisted in delivering and preparing course materials for **Communication and Presentation Skills** course, supporting **200+ students** in achieving learning objectives.
- Conducted grading and evaluation for **100+ assignments and quizzes**, ensuring consistency and fairness in evaluation while helping students understand key concepts effectively.
- Evaluated **50+ student presentations**, reviewed assignments and quizzes, and provided detailed feedback, leading to a **15% improvement** in students' communication and presentation skills.

PROJECTS

Loop Together: A Carpool Scheduling Platform for Daily Commutes (FYP) 🔗   2024 - 2025

- Developed a carpool scheduling platform using **React.js, Node.js, MongoDB**, and **Python,** enabling seamless daily commute planning.
- Integrated **Clerk.js** for **secure authentication**, an efficient **ride-matching algorithm**, and a rating system to enhance reliability and user trust.
- Designed a responsive interface with **route optimization**, improving efficiency and usability for commuters.

NeuraMind – AI-Powered Knowledge & Assistance Platform 🔗   2025

- Designed and built an **AI-driven knowledge platform** leveraging **React.js, Tailwind CSS, Clerk.js,** and the **Gemini API** for intelligent assistance.
- Ensured secure authentication, a responsive UI, and real-time interaction, enhancing accessibility and engagement.
- Optimized API performance and AI response handling, enhancing efficiency, accuracy, and reliability in delivering intelligent insights.

MediConnect – Healthcare Management System 🔗   Jan 2024 - May 2024

- Built a **web-based healthcare management system** using **HTML, CSS, JavaScript, Bootstrap, Java Servlets, JSP, and MySQL**, enabling efficient patient record management and appointment scheduling.
- Created **role-specific dashboards** for **doctors, patients,** and **administrators** to enhance accessibility and workflow efficiency.
- Incorporated advanced search functionality and robust error handling, ensuring smooth operation and reliability.