INSA SALEEM

0333-1482265 | insasaleem6@gmail.com | linkedin.com/in/insa-saleem/
Ibrahim Villas Morgah Rawalpindi, Pakistan
https://insasaleem.github.io/InsaSaleem/

FRONTEND WEB DEVELOPER

Motivated BSCS student passionate about Web Development, Artificial Intelligence, Data Analysis, and Human–Computer Interaction (HCI). Eager to apply technical and analytical skills through practical projects and research-based learning. Seeking opportunities to contribute to AI and HCI-focused research while enhancing expertise in front-end web development.

Dedicated to continuous growth through building innovative, user-centered digital systems.

PROJECTS

SmartLib – Smart University Library Software   **Oct, 2025**

Web & Mobile Application | MERN Stack / PHP & MySQL (depending on your tech stack)

- A centralized library management system that automates book issuance, return, user registration, and fine calculation.
- Aims to provide both web and mobile interfaces for students and librarians for real-time access and updates.
- Incorporates QR code scanning, user authentication, and data analytics to enhance the library experience.
- Designed to improve resource accessibility, reduce manual workload, and promote smart campus initiatives.

Grocery Management System   **Aprl, 2025**

Web-based Application | PHP, MySQL, HTML, CSS, XAMPP

- Designed and developed a web-based system to manage grocery store operations including billing, inventory control, customer records, data validation and payment tracking.
- CRUD operations with MySQL for real-time data handling, database management.

Robot Navigation Puzzle (Knight's Travails)   **Dec, 2024**

Python | Artificial Intelligence & Algorithms

- Interactive simulation to visualize BFS and DFS algorithms in solving a grid-based navigation problem.
- Simulated a robot's movement (modeled on the chess knight) to demonstrate shortest-path finding and search efficiency.
- Integrated real-time animations using Tkinter to make algorithmic visualization intuitive and engaging.
- Enhanced understanding of AI search algorithms and path optimization techniques

AI-Based University Navigation System   **Jan, 2025**

Python | Speech Recognition & Graph Algorithms

- Developed a voice-controlled campus navigation assistant that helps users locate university departments and facilities.
- Integrated speech recognition for user input and text-to-speech (TTS) for system responses, ensuring an interactive experience.
- Applied graph-based shortest path algorithms (like Dijkstra's) for route computation and efficient navigation.
- Designed to assist new students and visitors in exploring campus locations conveniently.

TECHNICAL SKILS

- Python, Java, C++
- PHP, MySQL
- HTML, CSS, JavaScript
- React, Tkinter, XAMPP

- VS Code, Android Studio
- GitHub, Google Colab, phpMyAdmin
- Git / GitHub, Google Colab

ADDITIONAL SKILLS

- Good teamwork and communication abilities, experienced in collaborating with designers and developers.
- Quick learner with adaptability to new frameworks and emerging tools.
- Good graphic designign skills.
- Web and App UI designing skill.
- UI/UX
- Interested in AI applications, web systems development, and automation tools for education and management systems.

CERTIFICATIONS

- **Google IT Automation with Python Specialization**
- **Google Data Analytics Specialization**
- **Google Project Management Specialization**
- **Certificate of Completion – AI-Integrated Leadership Program**
- **Aspire Leader's Program**

INTERESTS

- Artificial Intelligence.
- Web and Mobile Application Development
- Human-Computer Interaction and UI/UX Design
- Data Analysis and Automation Tools
- Reading tech blogs and exploring emerging software trends

EDUCATION

Fatima Jinnah Women University   **3.4/4**

Bachelor's in Computer Science

Punjab Colleges   **FSC in ICS – 83.2**