

HAMZA YOUSAF

ASPIRING SOFTWARE ENGINEER

CONTACT

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KEY SKILLS

- Object Oriented Programming(C++)
- Front End Development
- Phyton (Beginner)
- MS Office
- Problem Solving and Debugging
- IoT and Blynk Application
- Effective Communicator

LANGUAGES

- English
- Urdu

EDUCATION

- Intermediate (HSSC)HITEC College for Boys2022-- 2024Grade: A
- Bachelor of Software EngineeringPAF-IAST (Mang, Haripur)2025 - PresentFinal SGPA: 3.56

PROFILE

"I am driven by a passion for learning and personal growth. My educational journey is focused on building knowledge, skills, and a meaningful future."

WORK EXPERIENCE

IoT Based Gas Leakage Detector2024 - 2025

- Designed and developed an IoT-enabled system capable of detecting hazardous gas leaks (such as LPG, methane) in real-time to ensure safety in residential and industrial environments.
- Integrated sensors (e.g., MQ2-series gas sensors) with microcontrollers (such as Arduino/ESP8266/NodeMCU) to accurately monitor gas concentrations.
- Developed dashboard interfaces using IoT platforms like Blynk, Thingspeak, or custom mobile apps for live monitoring of gas levels.

Topic Based Content Management System2025- Present

- Developed a web-based platform to efficiently organize, manage, and retrieve information or discussions categorized by specific topics or themes.
- Designed a structured database to store topics, subtopics, and related content, enabling easy search, update, and management.
- Implemented user roles (admin, moderator, user) to ensure secure access, content control, and smooth collaboration.