

# HAMZA YOUSAF

ASPIRING SOFTWARE ENGINEER

## CONTACT

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## SKILLS

- Object Oriented Programming(C++)
- Web Development (Basic)
- Phyton (Beginner)
- MS Office
- Problem Solving and Debugging
- lot and Blynk Application
- Effective Communicator

## LANGUAGES

- English
- Urdu

## EDUCATION

- HITEC School And College Completed FSC Degree Grade: A1 2022-- 2024
- Pak Austria University Current Pursuing BS in Software Engineering GPA: 3.33 out of 4 in first semester 2025 - Present

## 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 Detector 2024 - 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., MQ-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 Management System 2025- 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.