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ABOUT ME

I'm a passionate Front-End and IoT developer with 3 years of hands-on experience in building smart and user-friendly solutions. I have successfully completed local student projects, developing responsive web applications and IoT systems that connect hardware and software in real-world scenarios. I enjoy turning ideas into practical, innovative projects that make everyday tasks easier and more efficient.

WORK EXPERIENCE

IOT DEVELOPER | LOCAL CLIENT PROJECT

- Developed custom IoT solutions using Arduino UNO , Arduino Mega , Arduino Nano and ESP32 Local client needs 2022--CURRENT

FRONT-END DEVELOPER | LOCAL CLIENT PROJECT

- Worked as a web developer creating responsive, user-friendly websites using HTML, CSS, JavaScript, and Firebase for local clients. 2023-CURRENT

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)

The Islamia University of Bahawalpur
CGPA : 3.73 / 4.00

2020-2026

PROGRAMMING SKILLS

- HTML
- CSS
- JAVASCRIPT (Events, Objects, DOM manipulation, Browser APIs, and API data fetching and rendering)
- IOT (Arduino , Esp32)
- FIREBASE INTEGRATION (Used Firebase for real-time database)
- REACT JS

PROJECTS

Expert Tutors Website – React JS

- Link: experttutors.netlify.app

Carbon Monoxide Detection System with UI (IoT + Web Project)

- Developed a Carbon Monoxide Detector using Arduino Uno and MQ-7 sensor, with a real-time web interface built using HTML, CSS, and JavaScript to display sensor data on a graph.

Smart Dustbin with Email Service (IoT Project)

- Built a Smart Dustbin using IoT technology with Ultrasonic Sensor, and ESP8266 Wi-Fi module to detect trash levels and send automated email alerts using SMTP with real-time monitoring.

Image Search Engine (Web Project)

- Link : https://hassan42772.github.io/JavaScript_Project/ImageSearchEngine/Image.htm

Smart Parking System(IoT & Web) - Final Year Project

- An IoT-based system that uses sensors to detect parking slot availability and displays real-time updates on a web dashboard.

PORTFOLIO

- Link: hassan07.netlify.app