

IBTHESAM SHEIKH

Student

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github.com/ibthesam-s

Summary

Motivated and determined Computer Software Engineer specializing in the Internet of Things (IoT). Passionate about web development, with hands-on experience in HTML, CSS. Proactively built projects to deepen understanding and practical skills in the field. Additionally, proficient in Python programming, further expanding technical capabilities across multiple domains.

Education

Jain University

Bachelor's Degree in Computer Science Technology

2022 – 2026

GPA: 8.8/10

St. Joseph Indian Composite Pre-University College

2020 – 2022

GPA: 9.28/10

Projects

Vehicle Tracking System

github.com/ibthesam-s/location-detection

- Built a low-power, Wi-Fi-enabled tracking solution using ESP8266 for continuous location updates.
- Developed a FastAPI backend to receive and serve location data.
- Integrated OpenStreetMap for live visualization of vehicle positions in a user-friendly interface.
- Utilized JSON-based communication between hardware and server.

Tools Used: ESP8266 (NodeMCU), FastAPI (Python), HTML/CSS/JS, OpenStreetMap, JSON

Attendance Tracker System

github.com/ibthesam-s/attendance-tracker

- Built using Python to store student attendance in MS Excel sheets.
- Sends automated emails to students and respective teachers when attendance is low.
- Designed to explore and practice different Python libraries.

Tools Used: Python, OpenPyXL, SMTP

Technologies

Languages: Python, HTML, CSS, SQL,, JavaScript

Technologies: ESP8266, FastAPI, Leaflet.js, OpenPyXL, SMTP

Tools / IDEs: Git, VS Code, Arduino IDE, MySQL

Certification

Gen AI Basics – Google Cloud

[Credential URL](#)

Achievements

- Successfully conducted Arduino Day 2024 in college.
- Winner of Inter-college coding round conducted by Six Phrase.