Osama Alhroub

Computer Engineer

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in https://www.linkedin.com/in/osamaalhroub/

⌨ https://github.com/7roubb

🔗 https://osamahroub.vercel.app

About Me

Passionate Programmer and Aspiring Data Scientist bridging the gap between code and insights. Experienced Python Developer and Full Stack Developer with expertise in Django and React. Currently a Data Science and Machine Learning student at MIT. Proven track record in web development and data analysis.

Skills

- HTML , CSS , Canva
- JS , TS
- Bootstrap
- OOP using C++ , Java , JS , TS , Python
- Django
- Python Developer
- Version Control
- RabbitMQ
- PostgreSQL and Influx DB
- Basics of Angular
- PostgreSQL
- Network Mangment Using Python

Education

Data Science and Machine Learning
MIT University   2024

- *Applied Data Science Program: Leveraging AI for Effective Decision-Making*
- *Data Science and Machine Learning*

Bachelor of Engineering (BE) in Computer Engineering
Palestine Polytechnic University   January 2021 - January 2026

- *Apply knowledge of mathematics, science, and engineering.*
- *Design and conducting experiments, as well as analyze and interpret data.*
- *Design systems, components, or processes that meet specified requirements while considering factors such as economics, environment, social impact, politics, ethics, health and safety, manufacturing capacity, and sustainability.*

Projects

Student Model
Django Framework

Student Model is a web application designed for an educational environment. Students can create new accounts and register for courses. Administrators have the ability to create new courses with specific details. Students can register for these courses provided there are no prerequisites or scheduling conflicts.

Temperature Monitoring System
Python with RabbitMQ

I developed an application for monitoring switch temperatures using SNMP. The application utilizes RabbitMQ AMQP for messaging and Influx DB as a time-series database for monitoring. Grafana is used for visualization.