Ahmed AYADI

10/05/2001

Electrical Engineering Student
Looking for a Graduate Project

CONTACT

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NETWORKS

in https://www.linkedin.com/in/ahmad-ayedi/

🐙 https://github.com/AhmadAyedi

🌐 https://ahmadayedi.github.io/

EDUCATION

2019 - 2020 | Sadok Fkih high school
Baccalaureate in mathematics

2020 - 2022 | IPEIS
Two years at IPEIS in the Physics-Chemistry section

2022 - 2024 | ENIS
Electrical and Electronics Engineering

PASSIONS

- Public Motivational Speaker (English)
- Chess (Ranking: 1400 ELO)
- Karate (Black Belt)
- Physics (Electromagnetism)
- Mathematics (Rigorous integrals and series calculus)

LANGUAGES

- English (Fluent)
- French (Fluent)
- Arabic (Native)

SKILLS

- **IoT Development with Web Integration:** ESP32 Web Server, Embedded C, Firebase
- **Frontend:** HTML, CSS, JavaScript (ES6+),React.js
- **Backend:** PHP, Node.js, Express, RESTful APIs, Socket.io, WSL
- **Databases:** MongoDB, MySQL, SQLite
- **Version Control:** Git, GitHub
- **Hardware:** Assembly (PIC16F84A), FPGA design, Electronic Circuits design
- **Electrical Engineering:** Automated Systems, Electrical Machines, Power Semiconductor Components, Renewable Energy

RELEVANT PAST EXPERIENCE

Internships

X4IN Society   *2022-2023*
- Developing an IoT webserver using ESP32 to control devices (RGB LEDs) and monitor temperature remotely.
- *Tools:* ESP32, Embedded C, HTML, CSS, JavaScript, Firebase

TDS Society   *2023-2024*
- Building an Industry 4.0 LabWebShop website for clients to place orders and track real-time manufacturing progress.
- *Tools:* HTML, CSS, JavaScript, PHP, MySQL, XAMPP

Personal Projects

- **Backend Development:**   *2024 - 2025*
  - Creating backend systems for a bookstore, chat app, recipe blog, and to-do list.
  - *Tools:* Node.js, Express, MongoDB, REST APIs, WSL,Redis
- **Full-Stack Projects:**   *2023-2024*
  - Developing notebook and task management websites with user authentication and task tracking.
  - *Tools:* XAMPP, JavaScript(ES6+),PHP, MySQL
- **C++ Development (OOP) :**   *2023-2024*
  - Building a School management System for organizing student information
  - Creating Games: chess, Bulls and Cows, word guessing game ,Ping Pong
- **VHDL Hardware Description Language :**   *2022-2023*
  - Implementing optimized mathematical operators using VHDL,focusing on reducing logic element usage and enhancing time execution.
  - *Tools:* ModelSim, VHDL, Quartus , FPGA

CURRENTLY LEARNING

- **AI** : Machine Learning , Deep Learning
- **Embedded Systems :** Raspberry Pi, STM32
- **Linux OS :** Ubuntu, Raspberry Pi OS (Raspbian) based on Debian
- **Backend Development:** Flask, for building APIs, integrating, and deploying AI models in software applications
- **DevOps:** Docker for containerization, Kubernetes for orchestration, Ansible for automation, CI/CD pipelines with Jenkins for deployment and AI model integration, and Grafana/Prometheus for monitoring