FARAH IBRAHIM FARES

AI Researcher in Blockchain and Software Engineering

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ABOUT ME

Software Engineering graduate passionate about Artificial Intelligence, Blockchain Systems, and Software Development. Experienced in developing AI-driven solutions, blockchain simulation systems, and full-stack web applications. Skilled in Python, SQL databases, machine learning concepts, and cybersecurity fundamentals, with strong analytical and research abilities. Interested in building intelligent, scalable, and secure software systems that solve real-world problems.

EDUCATION

Syrian Private University
Bachelor's Degree in Information Technology
GPA : 2.81
2019 – Graduated on July 2025

PROFESSIONAL EXPERIENCE

Lecturer at Syrian Private University
Starting from | OCT 2025

- Assisting students in understanding software engineering and technology concepts.
- Supporting academic and technical activities within the university environment.

PROJECTS

AI-Enhanced Blockchain Framework
Graduation Project

- Built a blockchain simulation system inspired by Bitcoin architecture for AI experimentation.
- Analyzed Bitcoin decentralization trends using multiple decentralization metrics.
- Applied AI techniques including anomaly detection, clustering, and decision trees to identify centralized mining behaviors.
- Improved fairness and decentralization through AI-generated governance rules integrated into the blockchain network.
- Achieved measurable improvements in decentralization metrics including Nakamoto Coefficient, Shannon Entropy, Gini, and HHI.

Full-Stack Web Application
Developed responsive front-end and back-end web applications with database integration and authentication systems.

Database Management Project
Designed relational databases using SQL and Oracle Database systems.
Optimized SQL queries and improved data organization efficiency.

SKILLS

- python
- Object-Oriented Programming (OOP)
- Full-Stack Web Development

CERTIFICATIONS

- RISE MICCAI
- Udemy – Full Stack Front-End & Back-End Website Development

LANGUAGES

- Arabic – Native
- English – Very good