

MOHAMMAD FARHAT

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OBJECTIVE

Software Engineer with a Master's in Information Systems and Data Intelligence, experienced in full-stack development, data engineering, and machine learning. Focused on building scalable, production-ready systems and solving complex technical problems.

PROFESSIONAL EXPERIENCE

Université de Lorraine (CRAN Laboratory) | France March 2026 - Present

- Designing a Federated Deep Reinforcement Learning (FDRL) framework for privacy-preserving resource allocation in 6G networks.
- Developing distributed AI agents using Python and PyTorch to optimize energy efficiency and VNF placement across multi-domain networks.
- Implementing Federated Learning protocols to enable collaborative model training without raw data exchange between operators.

UniMades Mar 2025 - Oct 2025

- Worked on the Finkit financial web platform using ABP Framework.
- Worked on both frontend and backend development, implementing and maintaining key features.
- Managed project repositories on GitHub, merging teammates' work and preparing builds for deployment.
- Deployed and maintained applications on the QA server via Remote Desktop Connection, using IIS for web hosting and configuration.
- Gained hands-on experience with Docker for environment setup and application containerization.
- Collaborated in an Agile (Jira) environment with structured task tracking and teamwork.

IDS Intern June 2024 - Sept 2024

- Built the Activity Club Portal, a full-stack app using .NET and React for event and member management.
 - Developed the Backoffice system with secure RBAC, event scheduling, and lookup management.
 - Designed and integrated RESTful APIs and a clean, structured data model.
 - Collaborated via Git/GitHub in an agile development workflow.
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EDUCATION

Master 2 of Science in Information Systems and Data Intelligence Sep 2025 - Mar 2026 Lebanese University Faculty of Science- Beirut, Lebanon

Bachelor of Science in Computer Science Sep 2021 - Aug 2024 Lebanese University Faculty of Science- Beirut, Lebanon

SKILLS

- **Languages:** HTML5, CSS3, JavaScript, C#, Java, C, SQL, Python
- **Frameworks & Libraries:** ASP.NET, .NET 8 Minimal APIs, RESTful, APIs, ABP
- **Tools & Platforms:** Git, GitHub, Postman, Docker, Kubernetes, AWS Cloud
- **Concepts & Practices:** JWT Authentication, Role-Based Access Control (RBAC), Real-Time Notifications, Clean Architecture, Team Collaboration, Data Analysis, Exploratory Data Analysis, Data Visualization

PROJECTS

Smart Attendance Tracking System

- Built a full-stack attendance system using React and .NET 8 with role-based access control (RBAC), JWT authentication, and IP-based check-in verification.
- Integrated real-time push notifications via Firebase and generated attendance reports in PDF and Excel.

Hospital Pharmacy Data Analysis Platform

- Contributed to a data analysis platform processing 800k+ hospital pharmacy records, built with Python (Flask), PostgreSQL, Celery, and Docker.
- Developed data ingestion pipelines and integrated predictive models using Scikit-learn and XGBoost to support dynamic dashboards and drug dispensing analytics.

Doctors Productivity

- Developed a PHP-MySQL web app to track doctor attendance and working hours with session-based authentication.
- Built an intuitive admin interface for managing records and time logs, with a well-structured database for efficient reporting.