

Marc Abou Nader

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Skills

Programming Languages: Python | C++ | JavaScript | SQL

Frameworks: Django | Flask | React Native | OpenCV | NumPy

DevOps: AWS | Docker | Kubernetes | CI/CD pipelines | SRE pipelines

Software Dev. Environment: Git | Postman

Machine Learning: YOLOv8, PaddleOCR, EasyOCR, Model Evaluation

Security: SQLi and XSS mitigation | Threat modeling | WebApp Security Fundamentals

Education

Fall 2022 - PRESENT

American University of Beirut – *Computer & Communications Engineering*

2007 - 2022

Collège Notre-Dame de Jamhour – *French Baccalaureate*

Projects

Medical Appointment Booking Platform

Full-stack web application for patient-doctor appointment scheduling, implementing authentication, calendar-based availability management, and an integrated chatbot, using agile development practices.

Currency Exchange Platform

Full-stack cross-platform web application using Python (Flask), SQL (MySQL), JavaScript, HTML/CSS and Git.

Smart Meeting Room Backend System

Containerized, microservices-based backend using Python (Flask), PostgreSQL, Docker, Git, and Pytest, featuring JWT authentication, RBAC, REST APIs, and performance profiling.

Automatic License Plate Recognition (ML Project)

Computer vision system using YOLOv8, PaddleOCR, and OpenCV to detect and recognize Lebanese license plates, evaluate model performance, and link results to the Lebanese license plates database.

Secure Online Banking Platform (Software Security)

Developed a multi-service banking system using Python (Flask) with RBAC, secure authentication, audit logging, and protection against common web vulnerabilities.