

Mostafa Nassar

Software Developer

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PROFILE

Software Developer specializing in Full-Stack Development and Applied Artificial Intelligence, with experience building enterprise-style web platforms, backend services, machine learning applications, and recommendation systems. Skilled in React.js, Spring Boot, ASP.NET Core, Node.js, PostgreSQL, MongoDB, Firebase, and Python, with a strong foundation in software architecture, API development, authentication systems, database design, and scalable application development. Demonstrated ability to transform business requirements into reliable software solutions while following modern engineering practices, clean code principles, and structured development workflows.

EXPERIENCE

Artificial Intelligence Intern 06/2026 – 07/2026
Decode Labs

- Developed AI-focused applications using Python, Scikit-learn, and Pandas.
- Built a rule-based AI chatbot with intent recognition and optimized response handling.
- Implemented machine learning classification systems using KNN, feature scaling, train-test splitting, and model evaluation techniques.
- Designed a recommendation engine utilizing TF-IDF vectorization and Cosine Similarity algorithms.
- Applied supervised learning, feature engineering, vector-space modeling, and recommendation system methodologies.
- Maintained project workflows using Git and GitHub.

Full Stack Development Intern 02/2026 – 04/2026
Ogero Telecom Beirut

- Developed a role-based access control (RBAC) administration platform using React.js.
- Engineered secure RESTful APIs using Spring Boot and JWT authentication.
- Designed and optimized PostgreSQL database schemas for scalability and performance.
- Integrated frontend and backend services through REST APIs and database-driven workflows.
- Contributed to architecture design, implementation, testing, debugging, and deployment preparation.

PROJECTS

AI-Powered Task Management Platform
React (TypeScript), ASP.NET Core, Entity Framework Core, Firebase

- Developed a full-stack project and task management platform using React, ASP.NET Core, and Firebase to support collaborative workflows and task tracking.
- Designed a scalable backend architecture using Repository and Service patterns with Entity Framework Core.
- Built RESTful APIs for project, task, and comment management with validation and structured error handling.
- Integrated Firebase services to support cloud-based application workflows and modern development practices.

Full-Stack E-Commerce Platform
MERN Stack, Tailwind CSS

- Engineered a scalable e-commerce application featuring authentication, product management, search, filtering, shopping cart functionality, and order processing.
- Designed RESTful APIs and optimized MongoDB schemas for efficient data management.

Hospital Management System

C#, .NET, SQL Database

- Developed a healthcare management platform supporting patient records, doctor management, appointment scheduling, and medical reporting.
- Implemented object-oriented backend architecture and database-driven workflows.

TECHNICAL SKILLS

Languages

JavaScript, TypeScript, Python, C#, Java, C++, PHP

AI & Machine Learning

Scikit-learn, Pandas, KNN Classification, TF-IDF, Recommendation Systems

Cloud & Database

PostgreSQL, MongoDB, MySQL, SQL Server (T SQL), Firebase

Backend

Node.js, Express.js, ASP.NET Core, Spring Boot, REST APIs, JWT Authentication

Frontend

React.js, HTML5, CSS3, Tailwind CSS, Bootstrap

Tools

Git, GitHub, Postman, VS Code, Claude, Cursor

EDUCATION

Bachelor of Science in Computer Science

Islamic University of Lebanon (IUL)

Expected Graduation: fall 2026

09/2023 – 2026

Beirut, Lebanon

COURSES

Udemy

Node.js, Express.js, and REST API Development.
Version Control with Git & GitHub.

Youbee.ai

JavaScript, React.js, and Bootstrap Development.

LANGUAGES

English

Fluent

Arabic

Native