

FATIMA NASSER

Computer Engineering

ABOUT ME

Enthusiastic and driven Computer Engineering student with a strong background in software development, backend systems, and modern web technologies. Passionate about building scalable applications and integrating secure authentication systems. Adept at quickly adapting to new tools and environments, and eager to contribute technical expertise in a collaborative, growth-oriented setting.



CONTACT

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EDUCATION

LIU University

BS. in Computer Engineering

GPA: 3.62 / 4.0

Graduating with a Distinguished Academic Record

Dean's Honor List Certificate.

LANGUAGES

- Arabic (Native)
- English (Fluent)

EXPERIENCE

Intern – Softwarez

Sep 2025 – Nov 2025

- Participating in real-world software development tasks, including backend integration and API testing.
- Gaining hands-on experience with modern development tools and agile team workflows.
- Contributing to feature implementation, debugging, and documentation.

PROJECTS

Library Management System (LMS) – Spring Boot Backend

- Developed a backend LMS with user management, course modules, and CRUD operations.
- Implemented Spring Boot with layered architecture and PostgreSQL database.
- Followed best practices for REST API design.

Facebook API Integration – Node.js + Express

- Built a backend service integrating Facebook Graph API for messaging and webhook handling.
- Implemented error handling, webhook verification, and automated responses.
- Deployed and tested using Postman and local tunneling tools.

Senior Project: E-commerce Website

- Developed a full e-commerce platform for a local battery and oil business, featuring product browsing, cart and order system, admin dashboard, customer support tools, real-time chat, and user authentication.
- Frontend: HTML, CSS, JavaScript, Tailwind CSS
- Backend: PHP | Database: MySQL | Tools: VS Code, XAMPP, Google APIs, Cloudflare Fonts

WhatsApp Calling Integration — Node.js (Meta Cloud API)

- Implemented a backend service using the Meta WhatsApp Cloud API to handle real-time voice call events.
- Developed functionality to accept incoming calls, stream audio input/output directly through the laptop, and manage call sessions programmatically.
- Used Node.js with Express for webhook event handling, Graph API for media connections, and WebRTC/audio streaming tools for voice interaction.
- Tested and verified using Postman and Meta Developer Dashboard.

SKILLS

- **PROGRAMMING:** JAVA, PYTHON, C, C++, JAVASCRIPT, PHP, HTML & CSS, SQL
- **FRAMEWORKS / LIBRARIES:** SPRING BOOT, NODE.JS, EXPRESS.JS, REACT.JS, BOOTSTRAP, TAILWIND CSS
- **DATABASES:** MONGODB, POSTGRESQL, MYSQL
- **TOOLS & PLATFORMS:** INTELLIJ IDEA, VISUAL STUDIO CODE, XAMPP, GIT/GITHUB, CANVA, NETBEANS, PROTEUS, TINKERCAD, MICROSOFT OFFICE
- **AUTHENTICATION & SECURITY:** KEYCLOAK, SESSION MANAGEMENT
- **SCRIPTING:** BASH, ASSEMBLY