

FATIMA ANANI

COMPUTER SCIENCE GRADUATE / FULL-STACK DEVELOPER

Beirut, Lebanon · +961 81 881 046 · Email · GitHub · LinkedIn · Portfolio

◆ PROFILE

Computer Science graduate building full-stack, mobile, and AI-powered applications, with experience in web development, REST APIs, database systems, applied NLP, and interface design.

◆ TECHNICAL SKILLS

LANGUAGES

Python JavaScript TypeScript C# Dart Java SQL

WEB & MOBILE

React Next.js Flutter Node.js FastAPI Flask .NET REST APIs

DATA & AI

PostgreSQL MySQL Entity Framework Core pgvector Elasticsearch scikit-learn Sentence Transformers Whisper

TOOLS & DESIGN

Git GitHub Postman Swagger Figma UI/UX Responsive Design

◆ SELECTED PROJECTS

Recall — Multimedia Scene Retrieval System

Python FastAPI React PostgreSQL pgvector Whisper

- Designed and developed a multimedia retrieval system for locating scenes in video content using text and audio search.
- Built full-text and semantic search pipelines using embeddings, vector similarity, speech-to-text processing, and ranked scene retrieval.
- Developed the frontend, backend, user/admin workflows, and automatic generation of playable scene clips with timestamps and metadata.

Eunora — Productivity & Study Management Application

C# .NET Entity Framework Core Windows Forms REST API

- Developed a database-backed productivity application with task management, search, status tracking, and study-session tools.
- Built its REST API, database layer, migrations, and custom Windows Forms interface.

E2EE Visualizer — Interactive Encryption Learning Tool

Python Flask JavaScript HTML CSS

- Built an interactive web application that visually demonstrates end-to-end encrypted message flow.
- Designed a step-by-step interface illustrating encryption, decryption, participant roles, and message transmission.

Emotion Classification — NLP

Python scikit-learn Logistic Regression Naive Bayes

- Built an NLP system that classifies text into six emotion categories using Logistic Regression and Naive Bayes.
- Evaluated both models on 83,225 samples; Logistic Regression achieved 89.19% accuracy and 89.12% weighted F1.

◆ EDUCATION & LANGUAGES

Bachelor of Science in Computer Science

Lebanese International University (LIU)
2022 – 2026

Arabic — Native



English — Fluent



French — Fluent



Japanese — Intermediate

