

Elena Zoghby

Telecommunications & Computer Engineering Student

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EDUCATION

- **Lebanese University Faculty of Engineering Branch 1, Ras Maska, LB: 2022-present**
Fourth-Year Telecommunications & Computer Engineering student
- **Bishmizzine High School, Bishmizzine, LB: 2022**
Lebanese Baccalaureate in General Sciences

EXPERIENCE

- **KYPROS-PV | Electrical Engineering Intern | Kferhazir, LB: 07/2025-08/2025**
Worked on solar systems on-site and software
- **TechTalks | Full Stack Development Intern (Team Lead) | Remote, LB: 02/2026-03/2026**
Developed Smart Expense Tracker using Next.js
- **Competed in IEEEExtreme 24-hr Programming Competition**
Solved complex algorithmic problems under time constraints using Python/C++

KEY PROJECTS

- **E-Commerce Desktop Application | C#, SQL, Visual Studio**
Engineered a full-featured desktop application with product inventory management and a relational database backend.
- **AI-Based Hand Gesture Recognition and Audio Output System**
 - Built an end-to-end computer vision system capable of recognizing 6 predefined hand gestures in real time captured by ESP32-CAM.
 - Created a dataset of 2,000+ images and trained a custom classification model for gesture recognition.

TECHNICAL SKILLS

- **Programming Languages:** C#, Python, SQL, JavaScript (Next.js), C++
- **Tools & Platforms:** Visual Studio, VS Code, Git/Github, Jira, Postman, Notion