

# Edy Bou Moussa

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📍 Tabarja, Lebanon

🌐 [Portfolio](#)

## Education

**B.E. – Computer Engineering**, *Lebanese American University*

Sep 2022 – Present

Dean's Distinguished list

CGPA: 3.7/4.00

## Skills

**Programming:** Java, Python, SQL, Data Structures/Algorithms

**Web Development:** HTML, CSS, MySQL, Python Flask

**Embedded Systems/Hardware:** Digital logic design, CPU architecture, circuit design/schematics, assembly language

**Soft Skills:** Teaching, team collaboration, problem solving/critical thinking.

**Languages:** English, French, Arabic (native)

## Experience

**Robotics educator at JTech:**

Oct 2024 – Present

- Teach young students fundamentals of robotics, combining programming, electronics, and mechanical assembly.
- Guide students in building and programming educational robots using hands-on learning techniques.

## Extracurricular and Volunteering Activities

**MMKN Academic Support Program:**

Summer 2023

Managed and taught multiple classes, preparing students to the official brevet exam.

**Youth community guide:**

Feb 2023 – Feb 2024

- Organized meetings, activities, and trips for youth, fostering teamwork and leadership.
- Collaborated with fellow guides to plan and execute community-building events.

**Professional & Technical Clubs:**

- Member of the IEEE organization
- IEEE robotics and IEEE artificial intelligence club member

## Projects

**Beatopia, productivity app with audio mixing and playback:**

Built and operated a productivity app with audio mixing, playback, and task management features. Built with React and Python Flask, enabling user authentication, audio playing and mixing, and task organizing using a Kanban board.

**SAP 8-bit computer from scratch:**

Built and debugged an 8-bit computer from scratch, with each CPU component designed from the logic gate and register level. Created schematics in KiCad and tested each block through simulation.