

Ahmad Hassan Ghalayini

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Education Beirut Arab University – Beirut, Lebanon **Bachelor of Engineering (B.E.), Computer Engineering**

CGPA: 3.35/4.00

Sep 2022 - Present

Relevant Coursework: Computer Networks, Introduction to AI, Database Systems (SQL), Computer Architecture, Design and Analysis of Algorithms, Object-Oriented Programming (OOP), Microprocessors, Data Structures, Digital System Design

Technical Skills

- **Programming Languages:** C, C++, Java, Python, SQL, FlutterFlow, VHDL
- **Frameworks & Tools:** OpenCV, MQTT
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures, Algorithms, IoT Systems, IT & Networks
- **Soft Skills:** Teamwork, Leadership, Problem-Solving, Time Management

Projects Home Defense System

- Engineered a multi-layered security system integrating a password-protected door lock, facial recognition, and a window sensor linked to a robotic car.
- Utilized OpenCV and MQTT for real-time intruder tracking and automated responses.

Sports Venue Reservation App – Hjezle

- Collaborated with a team of seven to develop a sports field booking platform for iOS and Android using FlutterFlow.
- Designed and implemented booking and payment processing features, generating revenue through transaction fees.

Airplane Reservation System (C)

- Developed a command-line-based reservation system in C to manage flight bookings and availability efficiently.

Line-Following Robot with Computer Vision (Python & Raspberry Pi)

- Designed and implemented a camera-based autonomous robot utilizing OpenCV and MQTT for remote control.
- Developed motor control logic to dynamically adjust movements based on real-time line detection.

Work Experience

Najem StarCall – Website Stock & Customer Service Associate 1 Year

- Managed and updated website inventory to ensure accurate stock tracking.
- Provided prompt and professional customer support, addressing inquiries and resolving issues.
- Processed and managed customer orders, ensuring timely and accurate fulfillment.

Additional Information

- Enthusiastic about technology, IT, networking, and problem-solving.
- Rapid learner with hands-on experience in embedded systems, mobile development, and AI applications.
- Seeking opportunities in software engineering, embedded systems, IT, networking, or AI development.