

Mohammad Alhalim

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Education

Beirut Arab University , Bachelor in Computer Engineering	June 2022 – June 2026
• Expected graduation in June 2026.	
Lebanese Baccalaureate in Life Sciences	July 2022
• High school diploma with a focus on life sciences.	

Leadership and Activities

IEEE Student Chapter , Active Member	2022 – Present
• Actively participating in IEEE events and workshops, focusing on technology and engineering advancements.	
• Collaborating with peers on projects related to AI, robotics, and machine learning.	
AI and Robotics Club , Social Media Leader	2023 – Present
• Managing the club's social media presence, promoting events, and engaging with the community.	
• Organizing and leading workshops on AI and robotics for students.	

Projects

Car Rental Management System	2022
• Developed a car rental management system using Python and C to manage vehicle inventory, customer data, and rental transactions.	
Morse Code Communication System	2022
• Developed a communication system for ships using a PIC microcontroller to encode and decode Morse code messages.	
Bank Management System	2023
• Designed and implemented a bank management system using Java to handle customer accounts, transactions, and banking operations.	
Heart Stroke Prediction	2023
• Utilized AI and machine learning techniques in Python to predict the likelihood of heart strokes based on patient data.	
Smart Home automation System	2024
• Developed a IoT-based project using ESP, Raspberry Pi, MQTT, voice control, the Blynk app, and LangChain for AI integration .	

Certifications

Introduction to Front-End Development META June 2023
IC3 Digital Literacy Certification CentrePort February 2024
Introduction to Data Science Cisco August 2024
Python Essentials 1 Cisco August 2024
Artificial Intelligence Fundamentals IBM SkillsBuild August 2024
AI Fundamentals with IBM SkillsBuild Cisco August 2024
Supervised Machine Learning: Regression and Classification DeepLearning.AI January 2025
Advanced Learning Algorithms DeepLearning.AI February 2025

Skills

Technical skills: Python, Java, C/C++, Object-Oriented Programming, Data Structures, Algorithms, PIC Assembly, Digital Systems Design, Git and Version Control, SQL, TensorFlow, keras

Soft skills: Problem-Solving, Critical Thinking, Teamwork and Collaboration, Adaptability and Continuous Learning

Languages: Arabic (Native), English (Fluent)