

Mohamad Badran

Computer Engineer

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Nationality: Lebanese | **Birthdate:** April 4, 2004

Summary

Detail-oriented and passionate Computer Engineering fresh graduate and a strong GPA of 3.64. Proven experience in embedded systems, software development, and system maintenance through practical university projects and hands-on internships. Demonstrated ability to solve complex technical problems, collaborate effectively in team environments, and learn new technologies rapidly. Recognized on the Dean's Honor List for academic excellence. Seeking challenging internships and entry-level roles in software engineering, embedded systems, or IT support to contribute innovative solutions and continue growing in the tech industry.

Education

Lebanese International University LIU, Nabatiyeh-Lebanon | 2022 – 2025 |

Bachelor of Science in Computer Engineering, GPA: 3.64

Academic Projects:

- **Senior Project;** MedAlert – Smart Medication Reminder System: Developed an embedded system combining a mobile app and a pill dispenser to ensure timely medication intake.
- **Database:** Created an Airline Management System using Java (NetBeans) and MySQL for flight scheduling, passenger registration, and seat booking.
- **Software Application and Design:** Designed a Video Game Awards Voting platform with user/admin/host roles, voting features, comment systems, and CV uploads.
- **Digital Logic Lab:** Designed and implemented a 2-bit digital ALU capable of performing subtraction and logical right shift operations (Shift X right into F) using combinational logic circuits.
- **Electric Circuit Lab:** Designed and implemented an utilizing operational amplifiers configured as subtractor to perform differential voltage measurements
- **Introduction to Engineering Project:** Designed a Fire Alarm Safety System to alert people during fire emergencies using Tinkercad simulations and embedded logic.

Experience

Private Tutor

| 2023 – Present |

Engineering Courses – Freelance

- Provided one-on-one and small group tutoring sessions for university students in core engineering courses including Digital Logic Design, Circuit Analysis, Programming Fundamentals (Python, C++, Java), and Database Systems.
- Assisted students with complex project work such as designing logic circuits, building Arduino-based systems, and developing Java-based applications.
- Helped students improve academic performance, with many achieving significant grade improvements and passing challenging courses with distinction.
- Created custom lesson plans, practice problems, and simplified materials tailored to students' learning styles and university syllabi.

Freelance- Remotely

- Developed and maintained responsive websites for small businesses using HTML, CSS, and JavaScript
- Customized website layouts and features based on client requirements
- Implemented basic SEO practices to improve website visibility and traffic
- Provided remote IT support, including troubleshooting software and hardware issues
- Communicated with clients to gather feedback and deliver updates on project progress

IT Internship

| June 2024 – August 2024 |

South Lebanon Water Establishment

- Assisted in system and equipment maintenance across multiple departments
- Analyzed and diagnosed various IT and system-related issues
- Participated in hardware troubleshooting to maintain system continuity
- Developed strong communication skills by interacting with diverse employees
- Demonstrated initiative and eagerness to acquire new technical skills

Trainings and Certificates

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- Cybersecurity Bootcamp Certificate – CyberTalents Team (Cohort 9)
 - Training Certificate – IT Internship – South Lebanon Water Establishment
 - English Language Certificate (6 months) – ACT College
 - Italian Language Certificate (3 months) – ACT College
 - Dean’s Honor List – Lebanese International University

Technical Skills

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- Programming: Java, Python, PHP, HTML, JavaScript, CSS, C, octave , Assembly Language
 - Web & App Development: ReactJS, Node.js, Firebase, Android Studio
 - Database & Backend: MySQL, Firebase, NetBeans
 - Tools & Platforms: Tinkercad, LTSpice, Proteus, Linux Bash Shell
 - Networking: Network configuration basics
 - Mobile application development| Android Studio|, GUI design

Personal Skills

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- Strong Communication Skills
 - Leadership & coordination
 - Time management
 - Problem-solving
 - Team collaboration
 - Self-motivated & adaptable
 - Quick Learner
 - Analytical Thinking

Languages

Arabic: Native | English: Full Professional Proficiency | French: Very Good | Italian: Beginner