MOHAMMAD RASHID

COMPUTER SCIENCE | SOFTWARE DEVELOPMENT

Beirut, Lebanon

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PROFESSIONAL SUMMARY

Motivated Computer Science graduate with a strong foundation in software development, web technologies, databases, and emerging technologies such as IoT and machine learning. Hands-on experience developing full-stack web applications and real-world sensing systems through academic and final year projects. Skilled in problem-solving, system design, and integrating hardware and software solutions. Passionate about building reliable, user-focused applications and eager to contribute technical skills and learn in a professional development environment.

EDUCATION

LEBANESE INTERNATIONAL UNIVERSITY-LIU	SOUR, LEBANON
Bachelor of Science in Computer Science	SEPTEMBER 2023 – JANUARY 2026

RELEVANT COURSEWORK

Robotics Design and Coding, Information System Development, Machine Learning, Computer Architecture, Digital Logic, Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Topics in Computer Science, Web Development, Software Engineering, Operating Systems, Computer Networks, Artificial Intelligence.

PROFESSIONAL EXPERIENCE

ACADEMIC PROJECTS

Software Development Projects

- Developed multiple academic projects using programming languages such as Java, Python, and C++, focusing on problem-solving, algorithm design, and clean code practices.
- Built web-based applications using HTML, CSS, JavaScript, React, and backend technologies as part of coursework in Web Development and Software Engineering.
- Designed and managed relational databases using SQL, including schema design, queries, and data normalization.

IoT & Embedded Systems Project

- Designed and implemented a real-world sensing system to detect water leakage and fire hazards using environmental sensors and a microcontroller-based setup.
- Integrated water leakage and fire/smoke sensors to continuously monitor surrounding conditions in real time.
- Connected the system to a display screen to provide clear system status feedback, showing error messages when hazards were detected and displaying "No Errors – All Safe" during normal conditions.
- Programmed alert logic to trigger warnings upon detecting abnormal sensor readings, enhancing safety and early risk detection.
- Tested the system in real-life scenarios to ensure reliability, accuracy, and proper error handling.
- Strengthened skills in hardware–software integration, debugging, and real-time system monitoring.

FINAL YEAR PROJECT

Car Rental Web Application- Full-Stack Web Development Project

- Designed and developed a complete web-based car rental platform allowing users to browse vehicles, make reservations, and manage bookings online.
- Implemented a user-friendly frontend using HTML, CSS, JavaScript, ensuring responsive design and intuitive navigation.
- Developed backend functionality to handle user authentication, vehicle management, booking logic, and payment-related workflows.
- Designed and integrated a relational database to manage users, cars, reservations, and availability efficiently.
- Included an admin dashboard for managing vehicles, users, and rental transactions.
- Conducted testing and debugging to ensure system reliability, data integrity, and performance.

SKILLS AND CERTIFICATIONS

- CCNA: Introduction to Networks through the Cisco Networking Academy program
- Programming Languages: Java, Python, C++
- Web Development: HTML, CSS, JavaScript, PHP / Framework basics
- Databases: MySQL, Database Design, Query Optimization

LANGUAGES

Arabic (Native); **English** (Bilingual)