

Salman Boudiab

Software Engineering | Systems, Backend & AI

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PROFILE SUMMARY

Software engineering-focused Computer Science student with hands-on experience building backend and concurrent systems using C++ and Python. Strong in Linux, networking, and system-level debugging, with a focus on efficient and scalable systems.

RELEVANT EXPERIENCE

IT Systems & Security Intern

Ecco Watan News Agency – Lebanon

Jun 2025 – Jul 2025

- Managed Linux/Windows systems and web infrastructure, ensuring reliability during high-traffic production events
- Maintained website hosting and domain operations (including transfers and protection), while implementing security controls and improving system performance

Backend Intern

Cod Veda – India

Aug 2025 – Sep 2025

- Developed performance-oriented C++ backend applications, optimizing memory usage and execution efficiency
- Implemented core data structures and algorithms while designing modular, scalable system architectures

Other Experience

Managed sales and store operations in a fast-paced environment, strengthening communication, problem-solving, and customer engagement skills

EDUCATION

Notre Dame University (NDU), Lebanon

Bachelor of Science in Computer Science (2023 – 2026)

- Relevant Coursework: Data Structures, Operating Systems, Databases, Software Engineering, Artificial Intelligence, Cyber Security

Certifications & Training

- Machine Learning** - Andrew Ng (Coursera) - Supervised learning, model evaluation, and core ML concepts
- Google AI Course** - Foundations of AI concepts and real-world applications

SKILLS

Programming: C++, Python, C#, JavaScript, SQL

Backend & Systems: Client-Server Architecture, Multithreading, Socket Programming,

AI & Machine Learning: Machine Learning Fundamentals, Data Preprocessing, Supervised Learning (Regression, KNN, K-Means)

Tools & Environments: Linux, Git/GitHub, Visual Studio, VS Code, Wireshark, Nmap, Burp Suite

Soft Skills: Communication, Team Collaboration, Problem Solving, Time Management

PROJECTS

AI Review Response System (Python)

- Developed and deployed a Python-based application that generates intelligent responses to user reviews, combining structured data processing with external API integration to deliver consistent and context-aware outputs.

Multi-Client Communication Server (C++/Python)

- Designed and implemented a concurrent multi-client server using socket programming and multithreading, enabling real-time communication and efficient handling of multiple connections.