

Charbel Bou Daher

Address: Zgharta, Lebanon | **Phone:** +961 70436588

Email: charbelboudaher119@gmail.com | **Nationality:** Lebanese

<https://www.linkedin.com/in/charbel-boudaher-ba976b259>

Profile Summary

Software Engineering student at Antonine University with hands-on experience in software development, AI, machine learning, API integration, and database-driven applications. Skilled in C#, C++, Java, Python, React, Angular, and cloud technologies. Experienced in developing desktop applications, POS systems, e-commerce platforms, websites, mobile applications, AI-powered chatbots, and integrating services such as OpenAI, Google Maps, Firebase, and Supabase. Strong problem-solving and analytical abilities with a passion for building scalable, efficient, and user-focused solutions. Seeking an opportunity to apply technical expertise and contribute to innovative software development projects.

Education

Antonine University, Baabda, Lebanon

BE in Computer and Communications Engineering

Expected date of graduation June 2027

Experience

Software Development Intern - Technical Department

Global Com - Furn el Chebbak

October -2025

- Developed a **Python automation tool** to extract and export all emails from Microsoft Outlook into **Excel reports**, including sender, recipient, subject, date, etc .
- Streamlined data organization and improved reporting efficiency through structured Excel output and automated scheduling scripts.
- Built a **local offline AI assistant** using **Ollama + LLaMA models** to analyze and summarize data from locally stored files.
- Designed a **log analysis system** in Python that parses .log files from network devices (switches, routers, etc.) and generates comprehensive diagnostic and performance reports.

- Enhanced troubleshooting speed and visibility through automated detection of critical events and network anomalies.

Full Stack Development Course

June-2024

Zgharta

- Participated in an online course provided by **I'm Intelligent Academy**.
- Developed advanced skills in **front-end development with Angular** and **database management using SQL**.

Freelance - Software Developer

2023– Present

- Developed desktop software applications using C# (.NET), applying Object-Oriented Programming (OOP) principles and software engineering best practices.
- Designed and implemented Point of Sale (POS) systems featuring inventory management, sales tracking, reporting, customer management, and secure authentication.
- Built responsive websites and full-stack web applications tailored to client requirements using modern frontend and backend technologies.
- Developed and deployed e-commerce platforms with product catalogs, shopping carts, order management, and payment integration.
- Designed and managed both local and cloud-based databases, ensuring secure, scalable, and efficient data storage and retrieval.
- Developed mobile applications with seamless integration to backend services and databases.
- Optimized application performance, database queries, and system architecture to improve reliability and user experience.
- Collaborated directly with clients to gather requirements, deliver customized solutions, and provide technical support and maintenance.

AI & Machine Learning Projects

- Developed AI-powered chatbots and assistants using local and cloud-based Large Language Models (LLMs).
- Applied prompt engineering techniques to improve chatbot accuracy, response quality, and task completion.
- Built computer vision applications for image analysis and object recognition.
- Developed machine learning solutions for finger-motion detection and gesture recognition using camera input and image-processing techniques.
- Integrated third-party APIs including OpenAI, Google Maps, Firebase, and Supabase to enhance application functionality and user experience.
- Developed AI-powered chatbots and intelligent assistants using Large Language Models (LLMs) and prompt engineering techniques.
- Implemented cloud-based authentication, storage, and database solutions using Firebase and Supabase.

- Integrated AI capabilities into desktop and web applications to automate workflows and enhance user experiences.

Private Tutor

Self-employed

2022 – Present

- Provide one-on-one academic support to school students in various subjects.
- Prepare customized lesson plans to improve students understanding and performance.
- Assist with exam preparation and homework guidance.

Skills & Expertise

Technical Skills

- **Programming:** C#, C++, Java, JavaFX, Python
- **Web Development:** HTML, CSS, JavaScript, React, Angular, Node.js
- **Mobile Development:** Android Development / Flutter, Dart
- **Desktop Development:** .NET, Windows Forms, WPF
- **Databases:** SQL Server, MySQL, MongoDB, SQLite, Cloud Databases
- **Applications:** POS Systems, E-commerce Platforms, Desktop & Mobile Applications
- **Artificial Intelligence:** AI Chatbots, LLM Integration, Prompt Engineering, Intelligent Automation
- **Machine Learning:** Computer Vision, Image Processing, Object Detection, Finger-Motion Detection, Data Analysis
- **API Development & Cloud Technologies:** REST APIs, Third-Party API Integration, OpenAI API, Google Maps API, Firebase, Supabase, Web Services, JSON, Authentication & Authorization

Soft Skills

- Communication
- Problem-Solving & Attention to Detail
- Time Management

- Creativity
- Teamwork

- Leadership

Languages

Arabic: Native | **English:** Fluent | **French:** Fluent