

Nadim Hamzeh

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PROFESSIONAL SUMMARY

Motivated and detail oriented Computer Science graduate with a strong foundation in software development, backend engineering, and AI automation. Proficient in Python, Java, C++, JavaScript, and Flutter, with hands on experience in RESTful API design, Agile development, and cloud-based deployment. Adept at leveraging Git based version control, CI/CD pipelines, and software architecture principles to deliver reliable, scalable systems. Passionate about building intelligent, data-driven applications and eager to contribute to innovative engineering teams while growing into a full stack or AI engineer role.

EDUCATION

Beirut Arab University – Beirut, Lebanon	Sep 2022 –May 2025
Bachelors in computer science, GPA: 3.3/4.0	
La Cime School – Choueifat, Lebanon	Sep 2008 - June 2021
Lebanese Baccalaureate, Life Science Section	

EXPERIENCE

Private Tutor – Mathematics & Physics	Sep 2021 – June 2022
<ul style="list-style-type: none">• Delivered personalized tutoring sessions to high school students, focusing on concept mastery and problem solving.• Achieved measurable improvement of 20–30% in student grades.• Developed adaptive learning strategies and progress tracking.	

PROJECTS

AlgebrAI (AI Automation)	August 2025
<ul style="list-style-type: none">• Developed an AI-powered WhatsApp Math Tutor handling 100+ user queries daily with response times under 7 seconds.• Integrated OpenAI and Gemini LLMs via Twilio API for instant communication and improved accuracy by 25%.• Built secure webhook automation and optimized prompts for reliability.	
SustainGo (Mobile Application)	Sep 2024 –May 2025
<ul style="list-style-type: none">• Led the creation of a sustainable food delivery platform with real-time order tracking, handling test users.• Integrated Flutter/Dart frontend with Django and FastAPI backend, improving API response reliability by 30% through Agile sprints.• Used Postgre SQL for backend with render deployment for easier database management.	
Recipe Generator (Deep Learning)	May 2024
<ul style="list-style-type: none">• Created a deep learning-powered recipe generator that produces custom recipes from ingredients.• Processed 50,000+ recipes for model training.• Improved semantic matching accuracy by 30% using Sentence Transformers and Fuzzy Matching.	
BeePro – Java OOP Beekeeping Management System	Sep 2023 – Dec 2023
<ul style="list-style-type: none">• Designed and developed a Java-based OOP desktop system for beekeeping management.• Implemented modules for hive performance, financial tracking, and productivity analytics.	

SKILLS

Technical Skills: Python, Java, C++, JavaScript, HTML, CSS, PHP, SQL, Django, Postgre , Flutter , Springboot , Angular.

Soft Skills: Problem Solving, Analytical Thinking, Strong Communication skills, Teamwork.

Productivity Tools: Microsoft Word, Excel, PowerPoint.

LANGUAGES

Native in Arabic, Professional in English, and Advanced in French.