

# 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

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

## EXPERIENCE

<b>Private Tutor – Mathematics &amp; Physics</b> • 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.	Sep 2021 – June 2022
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## PROJECTS

<b>AlgebrAI (AI Automation)</b> • 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.	August 2025
<b>SustainGo (Mobile Application)</b> • 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.	Sep 2024 – May 2025
<b>Recipe Generator (Deep Learning)</b> • 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.	May 2024
<b>BeePro – Java OOP Beekeeping Management System</b> • Designed and developed a Java-based OOP desktop system for beekeeping management. • Implemented modules for hive performance, financial tracking, and productivity analytics.	Sep 2023 – Dec 2023

## 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.