NOUR HAMMOUD

Beirut, Lebanon • (+961) 81-993-682 • Nourh2235@gmail.com

 LinkedIn: **https://linkedin.com/in/nour-hammoud-4b3aa0382**
 GitHub: **https://github.com/nour123-pro**

SUMMARY

Senior CS student aiming to be a creative Developer, crafting digital experiences to spark ideas. Experienced in full-stack development using **.NET**, **React**, and data-driven solutions. Seeking projects where I can leverage my technical skills and am **open to any learning opportunity**.

EXPERIENCE

Software Engineering Intern – IDS Fintech

May 2025 – Aug 2025

- Developed and maintained web application features using **React (TypeScript)** with a strong focus on component-based architecture, state management, and reusable UI patterns.

- Integrated frontend components with backend services through **RESTful APIs in C# (.NET)**, ensuring smooth data flow and optimal performance.

- Worked with **SQL Server** to design database schemas, write complex queries, and optimize data retrieval.

- Implemented **asynchronous programming** patterns (async/await) in .NET to improve application responsiveness and scalability.

- Followed modern web development principles, contributing to **clean, maintainable, and responsive** user interfaces.

- Collaborated with senior engineers, participated in code reviews, and adhered to industry best practices.

Software Engineering Intern – SimBrains

2024

- Contributed to the development of a **fleet management system** built with **C#, .NET, and MySQL**, focusing on reliability and performance.

- Implemented features using **MVC architecture**, ensuring clean separation of concerns and

maintainable code.

- Designed MySQL database tables and optimized queries to improve application performance.

- Enhanced system efficiency by refactoring existing modules and reducing unnecessary processing.

- Worked closely with the engineering team to debug issues, implement new enhancements, and support deployment activities.

EDUCATION

- Bachelor of Science (B.S.), Computer Science

USAL University, Beirut, Lebanon | Exp. Grad: May 2026 | GPA: 3.0/4.0

- Bachelor of Biochemistry (Second Year Student)

Lebanese University, Lebanon (15/20 first year score)

PROJECTS

SOUL: AI Therapist Companion

Frameworks:Python, NLP, Ollama 3

- **Built an AI agent that provides supportive conversational responses using local LLMs (Ollama 3).**

- **Implemented a basic natural language processing pipeline to analyze user sentiment and track mental-health-related patterns over time.**

- **Added a simple safety layer using Beck Depression Inventory (BDI-style) checks to detect high-risk responses and trigger pre-defined support messages.**

- **Designed a modular architecture allowing future expansion (e.g., adding new prompts, safety rules, or logging mechanisms).**

SOLO: Dynamic Travel Website:

Website:https://github.com/nour123-pro/SOLOFLASKFinal

Frameworks:Python, Flask/Django, SQL, REST APIs

- **Developed a full-stack travel recommendation site featuring dynamic content and personalized suggestions.**

- **Built backend logic in Flask/Django to handle routing, user sessions, and database interactions.**

- **Designed SQL tables and wrote optimized queries to store destinations, preferences, and user activity.**

- **Integrated real-time third-party APIs (e.g., weather, maps, or travel info) to enhance recommendations and improve user experience.**

- **Implemented basic UI components and forms, focusing on functionality and clean structure rather than design-heavy features.**

UniHome: Course Learning Platform

frameworks:TypeScript, React, .NET, MySQL
GitHub: https://github.com/nour123-pro/UniHome

- **Created an educational platform with a React + TypeScript frontend for course browsing and basic learning features.**

- **Built backend services in .NET to manage authentication, course data, student profiles, and instructor uploads.**

- **Structured a MySQL database to store courses, lessons, users, and progress tracking.**

- **Implemented REST API endpoints for CRUD operations and linked them to the frontend using Axios/fetch.**

- **Focused on building a clear code structure, reusable components, and readable backend logic suitable for real-world learning platforms.**

TECHNICAL SKILLS

- **AI/ML:** NLP, Ollama3, REST API
- **Programming:** Python (Strong), C#, Java, JavaScript, SQL/MySQL
- **Frameworks:** React, Flask, Django, .NET, Git/GitHub
- **Soft Skills:** Problem-Solving, Collaboration, Adaptability, Team Work, Time Management

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