

Nour Salloum

Location: Beirut, Lebanon
Phone Number: 81939742
Email: noursalloum789@gmail.com
LinkedIn URL: <https://www.linkedin.com/in/nour-salloum/>
GitHub URL: <https://github.com/NourSalloum>
Portfolio URL: <https://noursalloum.github.io>

Profile

Mobile Application Developer and AI Engineer with experience in building cross-platform apps using Flutter, Java, and .NET. I am skilled in creating responsive UI/UX and integrating secure backends with SQL Server and Firebase. Delivered e-commerce and tourism apps from scratch during internships and academic projects. Expanded into AI Engineering with hands-on knowledge of Machine Learning, Deep Learning, and LLMs.

Skills

- **Languages & Frameworks:** Python, Java, Dart, C#, JavaScript, PHP, HTML, CSS
- **LLM & Generative AI:** Agentic AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG)
- **AI & ML Tools:** Langchain, PyTorch, Hugging Face Transformers, Scikit-learn.
- **Mobile Development:** Flutter, Android SDK, Firebase
- **Backend Development:** ASP.NET, FastAPI, RESTful APIs, SQL Server
- **Tools & Platforms:** Android Studio, Visual Studio, Git, GitHub, Docker.

Experience

Internship • Dynasoft Technology • June 2024 – December 2024 •

- Built a Flutter-based e-commerce app for a dermo-cosmetic shop with a .NET backend and SQL database.
- Developed APIs and implemented secure authentication and data handling.
- Collaborated with a team to develop a robust point-of-sale desktop application using WPF, focusing on user interface design and functionality.

Education

Bachelor of Computer Science: Programming • University of Science and Art in Lebanon (USAL) • Spring 2024 •

- **Relevant Coursework:** Web Application Development, Android Application Development, Website Development, Object Oriented Programming, Data Structure and Algorithms.

Relevant Projects

AI-Powered Calendar Assistant

- Built an AI assistant to manage Google Calendar via natural language commands.
- Enabled users to create, update, delete events, check availability, generate daily schedules, and detect scheduling conflicts automatically.
- Implemented an agent-based system using LangChain and LangGraph with GPT-4o-mini (via OpenRouter).
- Developed a FastAPI backend with a clean service-based architecture and used PostgreSQL to persist event metadata.
- Secured access using OAuth2 and the Google Calendar API; containerized with Docker.

News RAG-Powered Assistant

- Developed an intelligent assistant using a Retrieval-Augmented Generation (RAG) architecture to answer questions based on news articles.
- Built the system with LangChain, Pinecone, and Hugging Face, integrating document embedding, semantic search, and context-aware response generation with Mistral-7B.
- Implemented text preprocessing, vector database indexing, and custom prompts to enhance retrieval accuracy and response relevance.

Chest X-ray Pneumonia Classification Using Deep Learning

- Designed and trained a custom CNN and a MobileNetV2 transfer learning model using TensorFlow/Keras to classify chest X-rays as Normal or Pneumonia.
- Executed data preprocessing, augmentation, and normalization to tackle class imbalance, and evaluated model performance with accuracy, precision, recall, and confusion matrices.

Android Application (Final Year Project) Spring 2024 •

- Created an android application that shows users the tourism places in Lebanon and enables them to manage their own trips and share journals.
- Developed using Android Studio in java language and used Firestore Database and Firebase Authentication for user data and authentication.

Courses

AI Career Accelerator Lara Wehbe (Ongoing)

- Advanced AI training program continues from the AI Engineering Program.

The AI Engineering Program with Lara Wehbe

- Gained hands-on experience in building AI-powered solutions using modern AI tools and frameworks.
- Completed August 2025