

Professional Experience

BMB, Hazmieh, Beirut

Sept 2024 - Oct 2024

Natural Language Processing Intern (NLP)

- Assisted in NLP tasks, including data preprocessing and text cleaning.
- Helped annotate datasets and extract key features for model training.
- Automated data processing using Python and NLP libraries.

Telepaty, Lebanon

June 2024 – sept 2024

Back End Developer Intern

- Developed robust server-side logic, RESTful APIs, and managed database operations using Node.js and MySQL.
- Integrated with front-end apps and third-party services.
- Maintained clear and comprehensive API documentation to ensure seamless handoffs.

Technical Skills

Machine Learning: Supervised & Unsupervised Learning, NLP, LLM, RAG, Statistical Analysis, Linear/Logistic Regression, Clustering, Graph Theory, Regularisations.

Tools & Languages: Python, Java, C++, Ruby, JavaScript, MySQL, MongoDB, Postman, Git, AWS, postgresql, Docker.

Packages & Frameworks: Scikit-Learn, torch, NumPy, SciPy, Pandas, NLTK, BeautifulSoup, Matplotlib, Statsmodels, Jupyter Notebook, Django, Flask, gradio.

Technologies: RESTful API Development

Projects

MedBot Medical Chatbot: Fine-tuned a large language model with domain-specific datasets to develop an accurate and relevant medical chatbot for health-related QA.

Book buddy Ai: Developed a Retrieval-Augmented Generation (RAG) system using FAISS and LLaMA to extract and generate answers from Arabic PDF documents. Enhanced response accuracy by retrieving relevant text chunks and generating context-aware answers.

Hostio: Built a scalable backend with Node.js, Express, PostgreSQL, and Sequelize, featuring JWT authentication, role-based access, job and application APIs, Cloudinary CV uploads, Google Calendar integration, and Stripe payments.

Snapchat Filter and Dinosaur Game Creation: Created an engaging Snapchat filter and a dinosaur game using Python, employing the OpenCV library for interactive image processing.

University Management System Implementation: Built a University Management System using Java, including modules for enrollment, course management, and academic record tracking to improve efficiency.

E-Commerce Website Software Requirements Analysis:

- Prepared technical documentation, system architecture, and database designs.
- Prototyped user interfaces and flows using Figma.

Education

Machine Learning Specialization, Zaka, Lebanon

Oct 2024 – Feb 2025

Completed the 20-week Machine Learning Specialization training program to prepare for a Machine Learning Engineer position. The program covered the following topics: fundamentals of Data Science, Machine Learning algorithms, Deep Learning, Computer Vision, Natural Language Processing, ML in Production, and ML in Research.

- Top 3 performers in Zaka Machine Learning Specialization training program.

Beirut Arab University, Tripoli, Lebanon

Sept 2022 – Mar 2025

Bachelor of Computer Science

GPA: 3.97, Dean's Honor List

Django Training Program, BAU Faculty of Science

June 2023 – Jul 2023

Completed an intensive Django training program, mastering the development of robust, scalable web applications using the MVC architecture.

- Designed and integrated RESTful APIs for seamless communication between frontend and backend, enhancing functionality and user experience.

Languages & Additional Information

Languages: • Arabic: Native. • English: Fluent. • French: Intermediate.