Charbel Daher

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EDUCATION

- **Lebanese University - Faculty of Engineering II**   **Roumieh, Lebanon**
  Bachelors in Computer and telecommunication Engineering   October 2020 – Present

EXPERIENCE

- **AI Engineer**   **Adma, Lebanon**
  Eurisko   October 2024 -
  present
  Designed and deployed AI and agent-based applications using LLMs, PydanticAI, and custom logic for chatbots, document parsing, and task automation. Built backend services with FastAPI, SQLModel, and SQLAlchemy, integrated with MySQL, PostgreSQL, and Elasticsearch, and containerized deployments with Docker. Vibe coded many frontend (Typescript+React) apps using AI-assisted coding

- **AI and Computer Vision Internship**   **Mansourieh, Lebanon**
  Inmind.ai   July 2024 – August 2024
  AI and Computer Vision internship covering machine learning, NLP, NVIDIA Omniverse, deep learning, GIT, docker, mlflow. For the final project, I trained yolov7 and created FCN for segmentation from scratch, wrote an Api and dockerize it

- **AI and Data Analytics Academy**   **Adma, Lebanon**
  Eurisko   July 2024 – August 2024
  Data analysis, machine learning, nlp, mlops, project lifecycle, agile. For the final project, I created a recipe recommendation app with an api and dockerize it.

- **AI Content Creator Internship**   **Jdeideh, Lebanon**
  Inatco   November 2023 – January 2024
  I completed Microsoft AI-900 and AI-102 courses, focusing on Azure AI fundamentals and solutions, while also developing and ensuring high-quality AI courses, content, and labs.

.PROJECTS

- **Elastic Query Builder (PydanticAI)** : Built an AI-powered query builder that translates natural language inputs into Elasticsearch queries with minimal errors, enabling intuitive data exploration.

- **Postgres Data Chat Agent (MCP + PydanticAI)** : Developed an intelligent agent that allows users to interact with PostgreSQL databases conversationally, retrieving and analyzing data through natural language queries.

- **AI Prescreening Interview Agent (PydanticAI Graph-Based Agents)** : Designed and implemented a graph-based AI agent that conducts automated prescreening interviews, assessing candidates' responses for role alignment.

- **Document Parser (Docling)** : Created a robust parser using Docling to process and structure unstructured documents, improving downstream data extraction and analysis pipelines.

CERTIFICATIONS

- IBM Full Stack Software Developer – Achieved in October 2023

- Applied Data Science with Python Specialization offered by the University of Michigan - Attained in May 2022

- Deep Learning Specialization by DeepLearning.AI - Achieved in September 2022

SUMMARY SKILLS

- **Languages**: Arabic, English, and French.
- **Technical Skills**: Python, FastAPI, SQLModel, SQLAlchemy, PostgreSQL, MySQL, Elasticsearch, Docker, Kubernetes, Git, PydanticAI, MCP, Docling, Generative AI, LLMs, Agent-Based Systems, Data Parsing, ETL Pipelines, Machine Learning (classification, regression, computer vision, NLP), C++.