

# ANDRE CHIHA

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Computer Science graduate passionate about Artificial Intelligence and Data Analysis. Currently pursuing an AI Engineer Certificate under Lara Wehbe, having completed the Machine Learning module. Skilled in building predictive models, performing data analysis, and using Python libraries such as NumPy, Pandas, Matplotlib, and Scikit-learn. Experienced in developing full-stack applications and eager to apply AI concepts in real-world projects.

## WORK EXPERIENCE

### AI and Data Analysis Trainee, Eurisko , 2024

- Built and deployed AI models for classification, prediction, and data analysis.
- Performed data manipulation and preprocessing using NumPy and Pandas.
- Conducted Exploratory Data Analysis (EDA) to identify trends, correlations, and outliers.
- Applied and compared supervised and unsupervised learning models to select the best-performing algorithms.
- Gained exposure to deep learning and Computer Vision workflows and model deployment concepts.

## PROJECTS

### Final Year Project, Smart Cafeteria App (React Native + MongoDB)

- Developed a mobile application enabling students to manage their digital wallets and purchase food items through the app.
- Implemented user authentication, dynamic menu display, and transaction history using MongoDB, with a React Native front-end.

### Machine Learning Notebooks, Predictive Modeling Projects (Python)

- Created multiple Machine Learning notebooks using real-world datasets such as the Titanic Survivors Prediction project.
- Performed Exploratory Data Analysis (EDA), feature engineering, and data encoding to prepare datasets.
- Trained and compared several models (e.g., Logistic Regression, Random Forest, SVM), and optimized performance using cross-validation and GridSearchCV.
- Visualized insights and evaluation metrics using Matplotlib and Seaborn.

### RAG Chatbot – ISS course Intelligent Tutor (Faiss + OpenAi + Gradio)

- Built and deployed a bilingual RAG chatbot using FAISS, OpenAI embeddings, and Gradio, designed to assist students in understanding the ISS course through context-aware explanations, MCQs, and textbook-based answers.

## SKILLS

- Programming: Python, C++, Java, JavaScript, PHP, HTML, CSS
- AI & Data Analysis: Machine Learning, Data Preprocessing, EDA, NumPy, Pandas, Matplotlib, Scikit-learn, Seaborn
- Databases: SQL, MongoDB, Firebase
- Frameworks & Libraries: React, React Native
- Tools: Git, Jupyter Notebook, VS Code

## CERTIFICATIONS

- Machine Learning Certificate – AI Engineer Program by Lara Wehbe
  - Covered supervised and unsupervised learning, data preprocessing, and model evaluation.
  - In Progress: Deep Learning, Computer Vision, MLOps, and LLMs (part of the AI Engineer Certificate)

## LANGUAGES

- Arabic: Native Proficiency
- English: Fluent Proficiency
- French: Intermediate Proficiency

## EDUCATION

- University of the Holy Spirit of Kaslik — B.S. in Computer Science, Faculty of Arts and Sciences (2021 – 2025)
- ABET-accredited program (Computing Accreditation Commission, 2024–2025) internationally recognized qualification enabling employment or postgraduate study abroad.
- College des Apotres, Jounieh — Lebanese Baccalaureate, Life Science (2021)