Slim Chouaib

+216 55588192 — slimchouaib2003@gmail.com — LinkedIn — GitHub — Portfolio

AI & Data Science Engineering Student — Specialized in Machine Learning, NLP and Cloud Computing

Skills

Programming Languages : Python, Java, R, SQL, C++, PHP, JavaScript
ML & DL : NumPy, Pandas, TensorFlow, PyTorch, Scikit-learn, Keras, XGBoost, LightGBM, CNN, RNN
Generative AI & NLP : GPT, LLaMA, BERT, Hugging Face, Transformers, Prompt Engineering, RAG, LLMs, Fine-tuning, Cloud Security, AI Agents, Chatbot Deployment
Data & Analytics : Spark, Hadoop, Kafka, Power BI, Tableau, Matplotlib, Seaborn
Databases : MySQL, PostgreSQL, MongoDB, Oracle DB
Cloud/Infrastructure : AWS, Azure, Oracle, Docker, CI/CD, FastAPI
Tools : Git, GitHub, GitLab, Kaggle, MLflow, Jira, Trello, Notion
Soft Skills : Leadership, Teamwork, Communication, Adaptability
Languages : French (C2), English (B2/C1), Arabic (native)

Experience

Biware Consulting — Data/AI Engineering Intern   Jun–Aug 2025

- Built a machine learning-based budgeting app reducing financial anomalies by 90% (Python, Azure).
- Designed a clustering pipeline improving classification accuracy by 20%.
- Deployed an interactive Llama-based chatbot to assist users in managing their finances.
- Integrated Plaid API for secure aggregation and analysis of financial transactions.

BFPME — Software Development Intern   Jun–Aug 2024

- Developed a leave management application adopted by 50+ employees (JavaFX, MySQL).
- Implemented face authentication using AWS Rekognition.
- Designed a scalable MySQL database with a user-friendly JavaFX interface.

Projects

AI Healthcare Assistant (Hackathon 2025)   2025

- Built a Llama/OpenAI-powered medical assistant with NLP for Q&A and workflow automation.
- Achieved **ROUGE-L score of 1.0588** and **F1-score of 0.86** on medical datasets.
- Optimized NLP pipeline reducing clinical search time by 20%.

NSM Vision - SME Credit Risk Scoring SaaS (AWS, Django, Power BI)   2024

- Built a real-time credit scoring engine achieving an **AUC of 0.92** and 91% accuracy.
- Developed interactive Power BI dashboards for financial data visualization.
- Implemented secure role-based user management.

MEMORA - Alzheimer Diagnosis Support (R, ML, Shiny)   2023

- Built a hybrid model (KNN, RF, SVM) achieving **88% accuracy** and **85% recall**.
- Added clustering module to identify patient subgroups.
- Deployed a Shiny web interface enabling real-time data entry and prediction.

Education

TEK-UP University — Engineering Degree in AI & Data Science   Sep 2021–Present

Certifications

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional, 2025
- Microsoft Azure AI Fundamentals (AI-900), 2025
- Oracle Cloud Infrastructure AI Foundations, 2025
- Neo4j Certified Professional, 2025

Extracurricular Activities

- President, Fortum Junior Enterprise (2024–Present)
- Organizer, HacknBiz Hackathon: AI & Cybersecurity (2025)
- Organizer, Global Game Jam (Tek-up, 2022)