AHMED CHANNOUFI

Software Engineering | Machine Learning | Full-Stack Development

Cité Ibn Khaldoun, Tunis, Tunisia • +216 58 997 620 • channoufiahmed257@gmail.com • Driving License B

linkedin.com/in/ahmed-channoufi • github.com/AhmedChannoufii • Portfolio

EDUCATION

Higher Institute of Applied Languages and Computer Science of Béja (ISLAIB) — Béja, Tunisia
Bachelor of Science in Computer Science: Software Engineering and Information Systems — 2023 – 2026

Omrane Supérieur High School — Tunis, Tunisia
Baccalaureate in Computer Science — 2022 – 2023

TECHNICAL SKILLS & CORE COMPETENCIES

Programming Languages: Python, Java, C#, JavaScript, SQL, HTML, CSS, PHP
Machine Learning & AI: Scikit-learn, XGBoost, Pandas, NumPy, CRISP-DM, Feature Engineering, Prompt Engineering & LLMs
Frameworks & Libraries: FastAPI, Flask, ASP.NET MVC, Entity Framework, SQLModel, REST APIs, Chart.js, EPPlus
Databases & Systems: PostgreSQL, Microsoft SQL Server, MySQL, Oracle, Linux Administration, Git, JWT & BCrypt Security

PROFESSIONAL EXPERIENCE

Tunisie Telecom — Centre Urbain Nord, Tunis, Tunisia
Final-Year Project (PFE) Intern — Customer Churn Prediction — Feb. 2026 – Jun. 2026

- Designed end-to-end decision-support system following CRISP-DM methodology to identify subscribers at high risk of churn; resolved missing values, duplicates, and class imbalance through feature engineering and visualization.
- Trained and evaluated multiple classifiers, selecting XGBoost (96% accuracy, 83% precision, 93% recall, 88% F1-score) and validating on real customer data with 96% accuracy, 82% precision, 98% recall, and 89% F1-score.
- Engineered interactive Flask web application integrating real-time dashboards and dynamic KPIs to visualize churn predictions.

Asteelflash Tunisia — La Soukra, Ariana, Tunisia
Software Engineering Intern — End-of-Year Project (PFA) — Jun. 2025 – Jul. 2025

- Developed role-based ASP.NET MVC web application (Administrator, User, Operator) managing industrial quality tests across a strict validation workflow (Initial Test – Quality Control – Customer Test).
- Architected backend with Entity Framework and SQL Server, implementing BCrypt authentication and automated test-type recommendations based on product history.
- Constructed advanced multi-criteria search modules, Chart.js analytics, and automated Excel reporting (EPPlus) for quality tracking.

PERSONAL PROJECTS

Magasin+ — Store & Inventory Management System

- Built full-stack point-of-sale (POS) web application featuring fast checkout, automated stock alerts, product categories/subcategories, and role-based cashier/supervisor management.
- Implemented sales reporting (revenue, top-selling items, stock value) with CSV export, printable receipts, and audit logs over a secure FastAPI, SQLModel, and PostgreSQL architecture with JWT and BCrypt.

CERTIFICATIONS

Prompt Like an Engineer, Cisco Networking Academy — Oct. 2026
Data Science Essentials with Python, Cisco Academy — Sep. 2026
Presenting Data, HP LIFE — Apr. 2026
SQL Certification, 365 Data Science — Nov. 2024
Mathematics for Data Science, 365 Data Science — Nov. 2024

LANGUAGES

Arabic: Native proficiency • **English:** Good / Advanced proficiency • **French:** Intermediate proficiency

SOFT SKILLS

Teamwork, adaptability, time management, problem-solving, critical thinking, working under pressure