

AHMED CHANNOUFI

Software Engineer | Data & Full-Stack

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PROFILE

Graduate in Software Engineering from ISLAIB with hands-on experience in software development and data science, looking for a role that matches this versatile profile.

EDUCATION

Institut Supérieur des Langues Appliquées et de l'Informatique de Béja (ISLAIB)

Bachelor's in Computer Science — Software Engineering & Information Systems, Good Honors 2023 – 2026

Lycée Omrane Supérieur, Tunis

Baccalaureate in Computer Science 2022 – 2023

TECHNICAL SKILLS

- Languages: Python, Java, C#, JavaScript, HTML, CSS, PHP
- Frameworks: FastAPI, Flask, ASP.NET MVC, REST APIs, Chart.js
- Machine Learning & Data: Scikit-learn, XGBoost, Pandas, NumPy
- Databases: MySQL, PostgreSQL, Oracle, SQL Server
- Systems: Linux Administration, Git

PROFESSIONAL EXPERIENCE

Tunisie Telecom

Final-Year Intern — Customer Churn Prediction

Centre Urbain Nord, Tunis, Tunisia

Fév. 2026 – Juin 2026

- Designed a complete decision-support system following the CRISP-DM methodology to identify customers at risk of churn.
- Handled data quality issues (missing values, duplicates, class imbalance); performed feature engineering and data visualization.
- Trained and evaluated several machine learning models; selected XGBoost as the final model based on performance, achieving 96% accuracy, 83% precision, 93% recall, and 88% F1-score on the churn class.
- Validated the final model on real customer data, confirming solid and stable performance.
- Built a Flask web application with an interactive dashboard and dynamic KPIs to visualize predictions.

Asteelflash Tunisia

Internship — Final-Year Project

Sourkra, Ariana, Tunisia

Juin 2025

- Developed a role-based ASP.NET MVC web application (Administrator, User, Operator) for managing industrial quality tests, implementing a validation workflow (Initial Test → Quality Control → Client Test) with strict business rules.
- Designed the system architecture with Entity Framework and SQL Server, secure BCrypt authentication, and automatic test-type suggestions based on product history.
- Built advanced search features, Chart.js analytics, and Excel export (EPPlus) for quality reporting.

PERSONAL PROJECTS

Magasin+ — Store Management System

- Complete point-of-sale web application: fast checkout, stock management with alerts, product categories and subcategories, cashier management with roles (cashier / supervisor).
- Sales reports (revenue, best-selling products, stock value) with CSV export, printable receipts, and an activity log for full traceability.
- Built with FastAPI, SQLAlchemy, and PostgreSQL; secure authentication with JWT and bcrypt hashing.

CERTIFICATIONS

- Data Science Essentials with Python — Cisco Networking Academy (Sept. 2026)
- Presenting Data — HP LIFE (Avril 2026)
- SQL — 365 Data Science (Nov. 2024)
- Mathematics — 365 Data Science (Nov. 2024)

LANGUAGES

- Arabic: Native language
- French: Intermediate level
- English: Good level

SOFT SKILLS

- Teamwork and collaboration
- Adaptability and time management
- Problem-solving and critical thinking
- Stress management and ability to work under pressure