Yasser El Kouhen

Aspiring Quantitative Analyst and Engineering Student

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SKILLS

- Machine Learning | Microsoft Power BI | Python | C | C++ | MySQL | PostgreSQL | Embedded AI
- Git | Embedded programming | SystemVerilog | English, French, Arabic - All professional proficiency or above
- Presentation Skills | Communication | Leadership | Adaptability | Analytical thinking | Time management

EDUCATION AND CERTIFICATIONS

MINES SAINT-ETIENNE (One of the top 10 engineering schools in France) *2023 – 2026*

Master's Degree in Engineering, specializing in Computer Science and Computer Engineering *Gardanne, France*

- Activities and societies: School representative (2023-2025) and Class representative (2023-2025)

PRESTIGIOUS PREPARATORY CLASSES *2021-2023*

Mathematics and Physics Bachelor's degree, French hard equivalent *Clemenceau, Nantes, France*

- Completed two years of intensive study in mathematics, physics, and computer science (MPSI & MP*), focusing on advanced problem-solving, analytical thinking, and engineering principles.

MICROSOFT POWER BI DATA ANALYST PROFESSIONAL CERTIFICATE *2024-2025*

Advanced Data Analytics, Visualization, and Business Reporting Skills

- Developing skills in **data transformation, modeling, and visualization** using Power BI, with hands-on training to build **interactive dashboards and reports**.
- Learning to use **DAX (Data Analysis Expressions)** to create complex measures for advanced business analytics.
- Preparing to complete **capstone projects** that simulate real-world business scenarios, applying Power BI to solve data analysis challenges.

PROJECTS

- **Machine Learning-Based ECG Signal Classification and Visualization:** Analyzed the MIT-BIH Arrhythmia dataset using unsupervised and supervised machine learning techniques, including PCA, K-Means clustering, Logistic Regression, and SVM, to classify and visualize ECG signals into five distinct categories.
- **Deep Learning for CIFAR-4 Image Classification with TensorFlow:** Developed and optimized deep neural network models using TensorFlow to classify CIFAR-4 images into four categories, focusing on accuracy improvement and experimentation with neural network architectures (CNN, MLP, ResNet50, etc.).

EXPERIENCE

JUNIOR MINES PROVENCE (The Engineering School's IT consulting company) *Feb 2024 – Present*

Vice President

- Developed a 3-year strategic growth plan, focusing on innovation, adaptability, and client acquisition, targeting a 20% increase in client engagements.
- Led a 16-member Board of Directors, overseeing 5 divisions to ensure alignment with strategic goals.
- Managed stakeholder relationships, representing the firm at over 5 major industry events.

FORUM ENTREPRISES ISMIN (Responsible of the school's career fair) *April 2024 – Oct 2024*

Corporate Relations Manager

- Managed the entire corporate customer journey, from prospection to overseeing invoicing, demonstrating a strong grasp of sales analytics and business processes.
- Handled contracts, invoicing and financial processes, processing personally €7000 in secured revenue and 120 internship opportunities for student participants.

ST MICROELECTRONICS *Jan 2024 – Feb 2024*

*Company Analysis Internship **(industry 4.0)*** *Rousset, France*

- Analyzed the transformative impact of ***industry 4.0*** and automation on business operations and society while working within the Manufacturing Department at STMicroelectronics, a global leader in semiconductors.