

# Yasser El Kouhen

Aspiring AI Engineer or Data Scientist and Engineering Student specialized in AI and Data Science

+33 7 78 54 54 38 | [yasserelkouhen5@gmail.com](mailto:yasserelkouhen5@gmail.com)

LinkedIn: [www.linkedin.com/in/yasserelkouhen](https://www.linkedin.com/in/yasserelkouhen) | Github : <https://github.com/Yasser-EL-KOUHEN>

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## SKILLS

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

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## EDUCATION

**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 CLEMENCEAU** 2021 – 2023

*Mathematics and Physics Bachelor's degree, French hard equivalent (GPA : 4.0/4.0)* 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.

**HIGHSCHOOL JOUBERT-MAILLARD** 2018-2021

*Mathematics, Physics and Computer Science Highschool Degree **with Highest Honors*** Ancenis, France

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## 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.).
- With Pytorch, Deep Learning for Image Classification on CIFAR-100 :** Implemented and trained Convolutional Neural Networks (CNNs) and ResNet architectures using **PyTorch** to classify images from the CIFAR-100 dataset. Applied data augmentation, batch normalization, and dropout techniques to improve accuracy. Optimized training using GPU acceleration and fine-tuned hyperparameters to enhance model performance.

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## EXPERIENCE

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

*Vice President* Gardanne, France

- 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*

Gardanne, France

- Managed the entire corporate customer journey, from prospection to overseeing invoices, 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.