Yasser El Kouhen

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

EDUCATION

MINES SAINT-ETIENNE (One of the top 10 engineering schools in France) *2023 – 2026*
Master's Degree in Engineering, specializing in AI and Data Science *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*

PROJECTS

- **with TensorFlow, Deep Learning for CIFAR-4 Image Classification :** I improved image classification accuracy on a subset of the CIFAR-10 dataset by developing and optimizing deep learning models using TensorFlow. This was measured by achieving over 95% precision on the test set through hyperparameter tuning, data preprocessing architecture refinement of convolutional neural networks (CNNs) and Transfer Learning of a ResNet model.
- **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.
- **Machine Learning-Based ECG Signal Classification and Visualization:** I accomplished accurate classification of ECG signals with a precision exceeding 91% by implementing unsupervised and supervised machine learning models, including **PCA, K-Means, Logistic Regression, Naive Bayes, and SVM**, to analyze and classify heartbeats from the MIT-BIH Arrhythmia dataset.

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.