



## Khaled Abdrabo, AI Engineer

Forward-thinking, innovative computer scientist specializing in multi-modal AI. Committed to pioneering safe and secure intelligent systems through disciplined, rigorous research and creative problem solving.

### Experience

#### Generative AI Engineer, R&D Team Member

IVès SAS (Interactivité Vidéo et Systèmes)

Mars - August 2024 (in progress), – 6 months, 38330 Montbonnot-Saint-Martin, France (On-site)

- Creation of a robust data corpus, complemented by the design and execution of a sophisticated multi-stage automated data processing pipeline.
- Demonstrated expertise in advanced Machine Learning techniques through the conceptualization, design, and experimental implementation of diverse Transformer model architectures, AutoEncoders, Conditional Generative Adversarial Networks (CGANs), and Conditioned Stable Diffusion (Control Net) models.

#### Full Stack Developer

Ezus Lyon

February - July 2021, – 6 months, 69100 Villeurbanne, France (On-site)

Conceptualized and led the development of ORANJADE, a custom collaborative pedagogical platform designed to support CS students at my university.

- Architected and implemented a robust Node.js API, seamlessly integrating MongoDB for efficient database management and JSON data exchanges.
- Engineered and maintained critical software functionalities, including secure authentication, modular architecture, and role-based access control, ensuring optimal performance and scalability.
- Led front-end development with React.js, forging educational technology with UI/UX design principles for an intuitive and engaging user experience.

#### Android Developer, Mobile Development Team Member

MonStock

June - Aug 2020 – 3 months, 51430 Bezannes, France (Remote)

- Implemented advanced features for an Android application, including Single Sign-On (SSO) authentication and an innovative Voice Assistant.
- Optimization of existing features, focusing on bug resolution and performance enhancement, boosting application stability and efficiency.
- Demonstrated software development best practices: meticulous code documentation, GitLab version control, and Git usage in an Android development ecosystem.

### Education

#### Master's degree in Artificial Intelligence

Claude Bernard University Lyon 1 (UCBL)

2020 - 2023, 69100 Villeurbanne, France

#### Bachelor's degree in Computer Science

Claude Bernard University Lyon 1 (UCBL)

2017 - 2020, 69100 Villeurbanne, France

### Industry Knowledge

Deep Learning  
Machine Learning  
Data augmentation  
Data pre/post-processing  
Data analysis  
Statistical analysis  
Pattern recognition  
Data visualization  
Agile methodology

### ML/DL Libraries & Tools

PyTorch, TensorFlow, NumPy, Pandas,  
SciPy, SciKit-learn, Matplotlib, Seaborn  
& Keras

### Programming languages & Technical skills

Python, C, C++, Java, Java & Kotlin (for  
Android development), C# (for Unity),  
JavaScript, React.js, Node.js,  
MySQL, Postgres, MongoDB,  
Linux & Windows

### Languages

French (native)  
English (fluent)  
Arabic (native)  
Spanish (beginner)  
Programming (native, polyglot)

### Social

[khaledabdrabo98.github.io](https://github.com/khaledabdrabo98)

[linkedin.com/in/khaledabdrabo](https://linkedin.com/in/khaledabdrabo)

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