

## Abderrahmen Mrabti

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### Education

#### Paris-Saclay University

Bachelor's degree in computer science

Focus: software engineering, networks, data science, theoretical CS.

Relevant Coursework: object-oriented programming, databases, algorithms, machine learning.

Orsay, France

2022 – 2025

#### High Jules Vernes

French Baccalaureate ( Mathematics, Computer Science ) - Honors

Limours, France

2022

### Projects & Activities

#### Paris-Saclay University

##### Algorithm & Data Structure Suite | C++, Java, Ocaml

France

2024 – 2025

- Implemented foundational algorithms (sorting, graph traversal, dynamic programming) and data structures (trees, hash maps, linked lists) to solve complex computational problems.
- Applied object-oriented (C++, Java) and functional (Ocaml) programming paradigms, analyzing trade offs in performance and code structure.

#### Paris-Saclay University

##### Handwritten Digit Recognition Classifier | Python, Scikit-learn, NumPy

France

2024

- Engineered a supervised learning model using the MNIST database to classify handwritten digits from 0-9.
- Optimized model hyperparameters and performed iterative validation, achieving a 92% accuracy rate on test data.
- Trained and compared multiple algorithms (e.g., SVM, Random Forest) to identify the most effective model.

### Experience

#### Myad.fr

##### Graphic Designer / Sales Agent - Freelance

France

Nov. 2024 – June 2025

- Developed and customized WordPress websites, enhancing site functionality and user experience.
- Created full branding packages and marketing visuals using Adobe Creative Suite (Photoshop, Illustrator).
- Consulted with clients to define project requirements and translate business needs into technical solutions.

#### Ekhdemli

##### Full Stack Web Developer and Programmer

France

2021 – 2022

- Architected and developed a Fiverr inspired service marketplace from concept to deployment.
- Engineered full-stack features including user authentication, service listings, and a secure payment system.
- Optimized database and API performance, improving application responsiveness and stability.

### Skills & Interests

**Technical:** C/C++, Java, Python, JavaScript, PHP, SQL/PLSQL, OCaml, HTML/CSS, Scikit-learn, NumPy, Git, Docker, Linux/Windows, UML, Office 365, Google Workspace

**Language:** Arabic (Native), French (Fluent), English (Advanced - Linguaskill B2-C1 Certified)

**Interests:** Weightlifting, Sleight of Hand Magic, Open-Source Contribution