Nisrine Aflak

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Adress:
Paris, France

EDUCATION

2023 - Present

Engineering Degree (Computer Science major)
École Nationale Supérieure des Mines de Saint-Étienne, France
- Relevant Coursework: Artificial Intelligence, Data Science, Numerical Methods, Image Processing, Probability and Statistics

2024 - 2025

Academic Exchange Program
Kumamoto University, Japan
- Fields: Computer Science & Mathematics

2021 - 2023

Preparatory Classes for the French Grandes Écoles
Lycée Fénelon, Paris, France
- Fields: Mathematics, Physics & Computer Science (MPSI/MP*)

2014 - 2021

Middle School / High school
Sainte-Jeanne-Élisabeth, Paris, France
- High school Diploma: Mathematics & Physics

EXPERIENCE

Nov 2025 - Apr 2026

Research in Computational Neuroscience
Pasteur Institute, Paris, France
- Developing mathematical and computational models to simulate neocortical folding during brain development.

Jun 2025 - Aug 2025

Research in Theoretical Computer Science
Université du Québec à Montréal (UQAM), Canada
- Implemented a mathematical model of inter-process communication based on linear logic, using a proof assistant (Coq).

Sep 2023 - Jun 2024

Part-Time Mathematics Teacher in French Preparatory Classes
ENISE – École Centrale de Lyon, France
- Taught and evaluated first-year preparatory classes students in mathematics through oral assessments.

2021-2023

Independent Research Project – Crowd Movement Modeling
- Developed Python-based simulations to analyze crowd flow dynamics and optimize spatial configurations for efficient evacuations.

SKILLS

Computer Science : Python, C, Java, SQL, OCaml, Coq, LaTeX

LANGUAGES

French : Native   **Arabic :** Native   **English :** Fluent   **Spanish :** Intermediate