Neyl Gasmi

neylgasmi@gmail.com — 06.47.21.85.90 — My page — Github

Education   Affiliated with three academic institutions

- **EDHEC Business School — Lille, France**   **Sep 2024 – May 2028**
  Master in Business Management, Grande École Programme
  Courses: Financial Analysis, Project Coordination, Business Intelligence, Decision Making.

- **Université Paris 1 — Paris, France**   **Sep 2025 – May 2026**
  Master 1 in Applied Mathematics (MAEF)
  Courses: Stochastic Calculus, Brownian Motion, Convex Optimisation, Linear Regression, Time Series.

- **Université Paris-Dauphine — Paris, France**   **Sep 2025 – May 2026**
  Bachelor in Physics & Actuarial Sciences
  Courses: General Relativity, Quantum Mechanics, Measure Theory, Statistical Physics, Machine Learning, EDP.

- **Université de Lille — Lille, France**   **Sep 2024 – May 2025**
  Bachelor in Mathematics and Statistics, Research Track (Ranked 2/57)
  Courses: Advanced Topology, Differential Calculus, Measure Theory, Statistical Estimates.

- **Lycée Notre-Dame de Sion — Marseille, France**   **Sep 2021 – May 2024**
  Preparatory Classes MPSI/MP
  Courses: Mathematics, Physics & Chemistry, Literature, Computer & Engineering Sciences.

Professional Experience

- **EuroCTP — Amsterdam, Netherlands**   **Jun – Aug 2025**
  Microstructure Research Intern - Equities & ETFs
  - Statistical analysis of large-scale event-based datasets for consolidated market state reconstruction, using linear regression, random forests and XGBoost, with focus on noise characterization and pattern detection.
  - Algorithmic reconstruction from asynchronous event streams using Bayesian inference; investigated timing effects and their impact on signal coherence.
  - Built Python pipelines for high-rate event streams under strict accuracy constraints; indicators design and feature engineering for robust state inference.
  - Authored a research report on data quality limitations and robustness of reconstruction methodologies.

- **Galeries Lafayette — Marseille, France**   **Summers 2022 to 2024**
  Operations Assistant - Summer job

- **Mathematics Teacher**   **Since 2021**
  Independant

Projects

- **Ising Model** *Order–Disorder Phase Transition in the 2D Ising Model*
- **Photovoltaic Power Forecasting** *Energy Production Forecasting Using PGVIS r.sun API*
- **Betting Strategy** *Optimal Capital Growth via the Kelly Criterion*

Languages, IT Skills, Certifications & Interests

- **Languages:** French (Native), English (C1), Arabic (B2).
- **IT Skills:** Python, Jupyter, Linear Regresion, PySpark, XGBoost, Random Forests, SQL, LaTeX, Git, Excel.
- **Certifications:** TOEIC 915/990; TOSA Excel 700/1000.
- **Interests:** Astronomy, Cosmology, Deep Learning, Sailing, Comics, Pokémon, Grothendieck.