

# Mehdi Khamassi

Data Scientist | Applied Mathematician

Master's student in Applied Mathematics & Statistics at the University of Angers, passionate about AI, data science, and applied mathematics. I enjoy turning complex data and mathematical problems into practical, efficient solutions, with hands-on experience in modeling, statistical analysis, and software development. Curious and driven, I am eager to contribute to impactful projects at the intersection of mathematics, artificial intelligence, and technology.



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📍 Angers, France

🌐 www.neurostack.eu

## EDUCATION

### Bachelor's Degree in Applied Mathematics University of Angers

09/2021 - 06/2025

France

#### Courses

- **Analysis & Optimization:** numerical analysis, linear and nonlinear optimization, differential equations.
- **Linear & Bilinear Algebra, Calculus, Differential Geometry:** fundamental tools for modeling and problem solving.
- **Applied Mathematics for Data Science:** regression methods, multivariate analysis, introduction to machine learning.
- **Probability & Statistics:** inferential statistics, modeling, stochastic processes, numerical methods applied to probability.
- **Econometrics & Data Analysis:** regression models, time series, statistical inference.

### Master's Degree – Applied Mathematics / Data Science

University of Angers

09/2025 - Present

France

#### Courses

- **Statistics & Advanced Data Science:** regression models, classification, multivariate analysis, statistical inference.
- **Probability & Stochastic Modeling:** advanced probability distributions, stochastic processes, Monte Carlo simulation.
- **Scientific Computing & Development:** Python, R, FastAPI, data processing, numerical computation.
- **Optimization & Operations Research:** nonlinear optimization, numerical methods, optimization algorithms.
- **Machine Learning:** supervised and unsupervised methods, big data processing.

## SKILLS

- React
- Node.js
- Flutter
- TypeScript & Javascript
- Python
- HTML5, CSS3, SCSS, Tailwind
- R
- RESTful API design
- FastAPI
- Express.js
- MongoDB
- Authentication & security
- Database modeling & optimization
- Linear & Bilinear Algebra
- Calculus & Differential Geometry
- Numerical Analysis
- Optimization
- Probability & Statistics
- Econometrics
- Stochastic Processes
- Machine Learning
- Data Visualization

## PERSONAL PROJECTS

### Customizable E-commerce Website (09/2024 - 01/2025)

- Developed with **React, TypeScript, MongoDB**
- Built a reusable **component library** for scalable UI
- Designed an **administrator dashboard** for product, order, and user management
- focus on modularity, customization, and clean architecture

### Cross-platfrom Meeting App (01/2025 - Present)

- Built with **Flutter (iOS/Android)** and **FastAPI** backend
- Implemented **real-time chat** and notifications
- Designed a **recommendation system** using data-driven algorithms
- Database with **MongoDB** for scalability and flexibility

## CERTIFICATES

### Full Stack Developer

Online Full-Stack Engineer from *code\_cademy*

## ACHIEVEMENTS

Social Network Amify (IOS, Android app)  
(01/2026 - Present)

## WORK EXPERIENCE

### **Freelance Developer** Self-employed

06/2024 - Present

Angers - France

*Achievements/Tasks*

- Worked independently with clients on web and software development projects.

### **Math Tutor**

#### Online Tutoring Platform

01/2024 - 06/2024

*Achievements/Tasks*

- Provided one-on-one mathematics tutoring to students during my undergraduate studies.

## LANGUAGES

French

*Full Professional Proficiency*

English

*Professional Working Proficiency*

## INTERESTS

Research

Sport

Tech

IA

Music

Physics

Music