

# Ismail Moudden

✉ ismail.moudden1@gmail.com ☎ +41 782227319 in LinkedIn 📁 Portfolio :ismailmoudden.com

## Profile

Computer Science student at EPFL with strong analytical and problem-solving skills in software engineering, probability, statistical modeling, and mathematics. Experienced in IT consulting, digital transformation, and market analysis through Junior Enterprise EPFL, collaborating with startups and global corporations. Entrepreneurial mindset with leadership experience, driving strategic initiatives in complex environments. Passionate about leveraging technology in finance to develop innovative solutions

## Education

**Bachelor in Computer Science, Communication Systems Section** 2022 - Present  
École Polytechnique Fédérale de Lausanne (EPFL)  
**Baccalauréat Scientifique - Mention Très Bien , Lycée Descartes, Rabat** 2022  
*Grades: 20/20 in Mathematics and Physics*

## Experience

**Project Manager - Junior Entreprise EPFL** Feb 2024 - Present  
• Managed more than **10 projects**, providing customized IT consulting solutions, including business analysis and strategic planning. Led multidisciplinary teams, contributing to a revenue of over **300K CHF** in 2023/2024.

**Software, ML & Fintech Solutions - Personal Projects** 2022-Present  
• Designed and built over **10 software solutions**, including web platforms and mobile apps, with a focus on scalability and innovation. More details in my portfolio: ismailmoudden.com.  
• Built a **Portfolio Simulator web application** combining optimization, interactive learning modules, and social features for strategy sharing. Full-stack dev with Python.  
• Developed **ML projects** predicting financial market trends using historical data analysis and advanced models.

**Co-Founder - Libghiti Delivery Service** May 2021 - Jul 2022  
• Managed a seasonal delivery service in tourist areas, processing over **500 deliveries** and maintaining a **95%** customer satisfaction rate. See website: libghiti.ch.

**Founder - Outside Streetwear** Apr 2020 - May 2024  
• Launched a contemporary streetwear brand known for innovative designs. Oversaw product development, marketing, and sales, reaching over **1,000 customers** and gaining recognition among fashion enthusiasts.

**Research Project - Predicting Currency Market Fluctuations** 2022  
• Research about mathematical and physical models for short-term FX market movements to predict fluctuations in market. Presented the project during the oral exam of the Baccalaureate.

**Intern - MASEN** Dec 2020 - Jan 2021  
• Observed and monitored renewable energy projects (solar and wind) in collaboration with the **R&D department** to identify and evaluate innovative technologies that optimize energy processes.  
• Rotation in the **financial division**: Observed and reported on financing models and the economic evaluation of projects, deepening my understanding of profitability mechanisms, financial risk and investment management within the sector.

## Skills & Expertise

### Programming

- Scala, Python, Java, JavaScript, React, HTML/CSS, C, C++, Assembly, Verilog, Flutter...

### Consulting & Business

- IT Consulting, Project Management, Agile Methodologies, Strategic Analysis

### Finance & Research

- Financial Modeling, Market Analysis, Research Projects, Portfolio Optimization, Backtesting, Trading, Tech Analysis

### Tools & Technologies

- Git/GitHub, NumPy/Pandas, Matplotlib/Seaborn, Figma, SQL/NoSQL

### Soft Skills

- Leadership, Entrepreneurship, Strategic Thinking, Communication, Public Speaking, Problem-Solving, Adaptability, Teamwork

## Awards

- **Olympiades of Geosciences** – 27th Worldwide, 3rd National (2021)
- **International Youth Games** – Selected for international sports competition in Chicago (2020-2021)

## Extra-Curricular Activities

**President - Public Speaking Club** 2021-2022  
• Founded and led the first public speaking club, developing peers' communication skills.

**Passions**  
• Entrepreneurship, Reading, Chess, Sports and Traveling

## Languages

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