Mouhamadou Lamine Bara THIAW

📞 +33 7 88 88 23 63 @ mouhamadou.thiaw@polytechnique.edu

I am seeking for a 6 months internship in Artificial Intelligence starting a july 2025

Education

ECOLE POLYTECHNIQUE
Cycle Ingénieur
Polytechnicien, BSc and MSc,Applied Mathematics
📅 Sep 2021- Dec 2025 📍 Palaiseau, France
4 years of intensive courses in the french leading school in engineering

TELECOM PARIS
Cycle ingénieur, MSc AI
📅 Sep 2024- Dec 2025 📍 Palaiseau, France
Exchange program within the curriculum of École Polytechnique

CHEIKH ANTA DIOP UNIVERSITY
Bachelor of Science, Mathematics
📅 Nov 2017-Jan 2021 📍 Dakar, Senegal

Links
in Linkedin **Mouhamadou THIAW**
⊙ Github **Mouhamadou THIAW**

Coursework

MAIN COURSES
Stochastic models in finance, Stochastic models and Monte Carlo methods , Machine and deep learning, advanced probability, Text mining and NLP, Algorithm design and analysis, Optimization and Control, Statistical Theory and Methods, Modeling of random phenomena, Time series, Simulation around rare events

Skills

PROGRAMMING
• Python • Java • C/C++ • ROS • LINUX

MISCELLANEOUS
LaTeX • Tableau • Microsoft Office •

Languages
French: Bilingual, **English** : Bilingual, **Spanish:** A2,**Wolof** : Mother Tongue

Experience

RESEARCH ASSISTANT
TELECOM PARIS
📅 sept 2024 – mar 2025   📍 Paris, France
Working on Contrastive Learning for Hypergraphs with Optimal Transport under supervision of Jhony H. Giraldo

AI RESEARCH INTERN
Natixis Investment Managers
📅 mar 2024 – aug 2024   📍 Paris, France
- Developed a real-time system for detecting opportunities and controversies related to companies using large language models applied to news data, optimizing content categorization and automated alerting for enhanced investment strategies and trading decisions. - Simultaneously implemented expert detection within social media data, utilizing NLP techniques to identify key opinion leaders and subject-matter experts across relevant industries, providing actionable insights for company-focused decision-making and investment optimization.

DATA SCIENTIST
SNCF Reseau
📅 JUN 2023 – SEPT 2023   📍 Paris, France
-Worked on SNCF incident data, developing a model to document traffic events and a new model to link delays to specific incidents. -Designed an automated model for generating circulation events, streamlining the process of incident tracking and reporting.

EDUCATOR
ETABLISSEMENT POUR L'INSERTION DANS L'EMPLOI (EPIDE)
📅 OCT 2021 – APR 2022   📍 Margny-lès-Compiègne, France
- Internship in the context of the military and human training at École Polytechnique, working within an integration establishment supervised by the Ministry of Defense. -Assisted young individuals aged 17 to 25, without professional qualifications, in their transition into professional world, promoting social and professional inclusion.

Recent Projects

Random and statistical modeling of processes , Explainability for Vision transformers , Extractive Summarization with Discourse Graph, Abstractive Summarization ,F1TENTH

Activities
President of X-Afrique, Head of Academics of X-AI

Honors
• Excellence Scholarship of the SENEGALESE GOVERNMENT
Awarded to the best senegalese students in science who have achieved the equivalent of a UK bachelors' degree.