BACHIR SABO

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EDUCATION

National School for Statistics and Data Analysis (ENSAI) — *Rennes, France*
Master's degree in Engineering (Diplôme d'ingénieur) specializing in Data Science and Economics — *August 2019 - November 2022*

Paris Dauphine University - PSL — *Paris, France*
Double Bachelor's degree in Applied Economics (concurrently with ENSAI) — *September 2020 - July 2021*

Pothier - Preparatory Classes for Grandes Écoles (CPGE) — *Orleans, France*
Specializing in mathematics and physics. Ranked top of my class of 41 students — *July 2016 - June 2019*

PROFESSIONAL EXPERIENCE

Wavestone — Paris, France
Data Consultant — Financial Services — *Mar 2023 - Present*
- **Generative AI Market Monitoring and Strategic Development**
  Conducted market analysis for generative AI applications in IT within a bank and financial institution, supporting strategic roadmap development.
- **Modernization of Legacy Systems**
  Led a reverse-engineering Python project for COBOL code using LLMs, improving documentation and insights.
- **Data & AI Strategic Transformation**
  Actively participated in a major transformation initiative integrating data and AI to streamline operations, producing deliverables and insightful presentations for non-technical audiences.

United Nations Volunteers (UNV - UNDP) — *Remote*
Data Scientist Volunteer — *Mar 2024 - Oct 2024*
- Developed probabilistic Bayesian deep learning models using Python.
- Implemented multilabel text classification, enhancing accuracy and insight.

Bloomin — Paris, France
Data Scientist - Intern — *May 2022 - Nov 2022*
- Conducted statistical analysis using MCA and implemented a generalized ordinal model.
- Co-led a multilingual, multilabel text classification project using NLP and deep learning techniques.
- Effectively communicated complex technical concepts to non-technical stakeholders.

Institute for Research and Documentation in Health Economics (IRDES) — *Rennes, France*
Statistician, Economics Researcher — *Oct 2021 - Mar 2022*
- Conducted a comprehensive literature review on subjective health assessments.
- Analyzed health determinants with MIMIC and ordered probit models.

United Nations Economic Commission for Africa (UNECA) — *Niamey, Niger (Remote)*
Data Scientist - Economic Affairs Intern — *Jul 2021 - Sep 2021*
- Utilized e-commerce data to optimize intra-regional trade strategies within the AfCFTA.
- Developed a Python-based decision-support application for economic agents, implementing web scraping techniques for data collection, preparation and analysis.

LANGUAGE AND IT SKILLS

LANGUAGES : French: Native proficiency — English: Fluent
TECHNICAL SKILLS :

Programming Languages	Python, R, SQL, JavaScript, HTML, CSS, LaTeX
Data Science Hard Skills	**Machine Learning:** Supervised & Unsupervised Learning, Model Tuning, Feature Engineering
	Deep Learning: NLP, Computer Vision
	Statistical Analysis: Econometrics, Time Series, Panel Data, Spatial Regression
Software & Tools	Stata, SAS, Git, Docker, PostgreSQL, MS Office
Cloud & DevOps	Cloud Services, Azure Cloud Services, Git, Docker
Operating Systems	Linux, Windows

LEADERSHIP AND ACTIVITIES

Association Involvement :
President of the "Stat Me Up" Music Association at ENSAI — *Sep 2021 - Jun 2022*
Treasurer of the "JO'kers" Student Office at Ker lann Campus — *Sep 2021 - Sep 2022*
President of "Ensai Welcome Team", an association dedicated to the reception and integration — *Jun 2021 - May 2022*
of international students

International Experience :
Lived in Madagascar (3 years), Burkina Faso (4 years), Niger (1 year), and Mauritania (1 year), gaining fluency in multiple languages and deep insights into diverse cultural practices