

JOB DESCRIPTION

Title of position	Data Scientist
Contract type	Permanent
Job Location	Bangalore
Department	Data CoE, APAC
Reporting to	Head of Data CoE, APAC
Job description date	25 th May 2022
Position opening start	25 th May 2022

Position Summary

Natixis is a French multinational financial services firm specialized in asset & wealth management, corporate & investment banking, insurance and payments, and a subsidiary of Groupe BPCE, the second-largest banking group in France. In APAC Data CoE, we build enterprise-grade tech products to contribute to business growth and improve operational efficiency regionally as well as globally for Natixis CIB. Partnering with Business Lines and Support Functions, we dive into each domain and strive to deeply understand the pain-points and thereafter deliver bespoke data solutions with measurable business benefits.

As a Data Scientist, you will work closely with a fully decentralized international team (spread across APAC) of Architects, Data Engineers, UX Engineers, Product Managers, but also with business stakeholders and Fintech partners. You will bring in the latest machine learning models for solving complex problems in finance domain. Most importantly, as the subject matter expert you will continue adopting the latest technology and bringing the best solutions to Business.

Main responsibilities and duties of the role

- Apply machine learning techniques, including statistical analysis & modeling, ML algorithms and deep learning, on complex prediction and NLP tasks in finance domain so as to enable data-driven decision making, increase business values and reduce operational costs
- Write, debug and refine ML pipelines for efficient data preprocessing, feature engineering, model training & testing and error analysis. Write clean and production-ready codes to automate model (re-)training and deployment.
- Conduct in-depth analysis of subject-matter datasets through interactive visualization, data mining and statistical analysis
- Research and bring in the latest high-performant ML/DL models for finance-related problems
- Work on model explain ability by experimenting and implementing state-of-the-art techniques
- Work with Data Engineers and Backend & Frontend Developers to integrate ML models into various enterprise products and solutions
- Work closely with various stakeholders to promote AI awareness and adoption

Technical skill requirements

- Sound theoretical and practical knowledge in machine learning and statistics
 - Expert in Deep Learning frameworks (preferably Pytorch) and NLP techniques like Word/Sent/Doc2Vec, BERT, GPT, as well as related frameworks like spaCy, Huggingface Transformers, Gensim etc.
 - Expert in Python and data science related tools like Sklearn, Xgboost, Pandas, Matplotlib, Jupyter, etc.
 - Strong Experience with structured (SQL) and unstructured (NoSQL) databases.
 - Knowledge of software development and system
- And most importantly, you must be a passionate end-to-end data scientist who really cares about applying ML on solving real-world problems and involves in the whole ML life-cycle

Job Qualification (education, years of experience and other soft skills)

- Fresh PhD graduate in Computer Science or related areas from a Tier-1 university and research topics in machine learning and deep learning
- No more than 1 year's work experience in data scientist role
- Ability to take ownership and deliver within timelines
- Effective written and verbal communication skills