

ARMAN AHMED

Paris, France | +33752999730 | armanofficial2401@gmail.com

[linkedin.com/in/armanahmed24](https://www.linkedin.com/in/armanahmed24) | github.com/ArmanAhmed00 | <https://armanahmed00.github.io/Personal-Website/>

SUMMARY

MSc AI Systems student at EPITA Paris (B.Tech, Computer Science) training as a machine learning engineer. Builds models and AI products end to end: LLM/RAG apps, recommenders, time-series forecasting and anomaly detection, and MLOps pipelines. Seeking a six-month ML / Data Science internship in Paris from April 2027.

EDUCATION

MSc Artificial Intelligence Systems, EPITA | Paris, France | 2026 - 2027

Relevant coursework: Data Science in Production, Big Data and Cloud, Deep Learning, NLP, Spark, NoSQL, Time Series Analysis, Reinforcement Learning.

B.Tech in Computer Science and Engineering, Vel Tech R&D Institute of Science and Technology | Chennai, India | 2025

EXPERIENCE

Data Science Intern, Personify (in collaboration with CELL, IIT Guwahati) | Bengaluru, India | Dec 2024 - May 2025

- Delivered three end-to-end machine learning projects during a five-month industrial programme: hate speech detection, SMS spam classification and credit risk analysis.
- Built NLP text-classification pipelines in Python - tokenisation, vectorisation, model selection, evaluation - on datasets cleaned for missing values, class imbalance and feature encoding.

PROJECTS

Outlaws - RAG / Agentic AI Document-Chat Platform (MSc project, EPITA)

Python, React, MongoDB, RAG, Kimi LLM, AWS EC2

- Built an agentic RAG platform: users upload documents (PDF, DOC, CSV) and every answer is grounded in those files.
- Agent generates graphs and tables from uploaded data on request, with per-user and chat memory that keeps context across sessions.
- Built the React front end and MongoDB storage layer; deployed the full application on AWS EC2.

Credit Risk Scoring System - end-to-end MLOps platform

Python, Apache Airflow, MLflow, FastAPI, Streamlit, Docker Compose, GitHub Actions, pytest | github.com/ArmanAhmed00/Credit-Risk-Scoring-System

- Trains a credit-default model, serves it via a FastAPI /predict endpoint with a Streamlit underwriting console; two Airflow DAGs run scheduled retraining and drift monitoring, with an MLflow model registry.
- Docker Compose stack with GitHub Actions CI and pytest; the API fails safe with HTTP 503 until a model is registered.

H&M Personalised Product Recommendation System

Python, recommender systems, Recall@20 evaluation, web app

- Built a recommender that suggests H&M products from each customer's purchase history, delivered as a working web app.
- Benchmarked against three baselines (random, popularity, repeat of previous purchases) using Recall@20.

Wikipedia Traffic: Forecasting and Anomaly Detection (team project, EPITA)

Python, statsmodels, pmdarima, Prophet, scikit-learn

- In a team of four, forecast 803 days of Wikipedia main-page views with SARIMA and Prophet, then refit both on a cleaned series.
- Owned anomaly detection: robust Z-score on STL residuals, SARIMA residuals and Isolation Forest, combined with a teammate's LSTM autoencoder in a 2-of-4 consensus vote.

The Evolution of LLMs - Action Learning research study (EPITA)

- Traced LLMs from the 2017 Transformer through pre-training, instruction tuning and RLHF to multimodal and agentic models, comparing each generation on scale, data, alignment and capabilities; presented as a report and talk.

TECHNICAL SKILLS

Languages: Python, SQL

Machine Learning: scikit-learn, TensorFlow, Keras, XGBoost, recommender systems, anomaly detection, NLP, deep learning

Time Series: SARIMA, Prophet, STL decomposition, ADF/KPSS tests, statsmodels, pmdarima

LLMs and Agents: retrieval-augmented generation (RAG), agentic workflows, Transformers, prompt design, Kimi LLM

MLOps: Airflow, MLflow, Docker, GitHub Actions, pytest, AWS EC2, FastAPI, Streamlit, React, drift monitoring

Data: Python, pandas, NumPy, SQL, PostgreSQL, MySQL, MongoDB, Apache Spark, Grafana

ACHIEVEMENTS AND CERTIFICATIONS

- 3rd Place, AlgoZen competitive programming - Technex'25, IIT (BHU) Varanasi, March 2025.

LANGUAGES

English (C1) | Hindi (native) | Urdu (native) | French (A1, currently studying)