



Amirali Sahraei

Machine Learning / AI Engineer

[LinkedIn](#) [GitHub](#) [Portfolio](#)

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Poland

Languages: English (B2 - IELTS 6)

PROFILE

Machine Learning Engineer with hands-on experience in developing and deploying AI solutions, including deep learning models, large language models (LLMs), and computer vision applications. Skilled in fine-tuning transformer-based architectures, implementing MLOps workflows, and deploying models in cloud environments (AWS). Experienced with tools like Python, PyTorch, Hugging Face, LangChain, and Docker. Passionate about applying AI to real-world problems and driving business impact through end-to-end machine learning systems. Actively seeking opportunities to contribute to innovative AI projects.

SKILLS

Machine Learning & Deep Learning: PyTorch (Primary), TensorFlow, Keras, Scikit-learn, OpenCV, CNNs, Object Detection, Transfer Learning, Model Training & Evaluation, Hyperparameter Tuning, Cross-Validation, Feature Engineering, ROC-AUC, F1-Score, Confusion Matrix

Natural Language Processing & LLMs: LangChain, Hugging Face, GPT-2/3.5/4, Prompt Engineering, LoRA Fine-tuning, RAG, NER, Sentiment Analysis, Text Classification, Tokenization

MLOps & Deployment: Docker, Apache Airflow, FastAPI, Flask, Django, AWS (EC2, S3, Lambda, API Gateway), Model Deployment, Monitoring, Drift Detection, CI/CD (GitHub Actions, Jenkins), ML Pipelines, Git

Data Science & Analytics: Pandas, NumPy, Matplotlib, Seaborn, SQL (PostgreSQL, MySQL), MongoDB, Data Cleaning, EDA, Statistical Analysis, Time Series Forecasting, Anomaly Detection

Software Engineering & Tools: Python (Advanced), Jupyter, Google Colab, Ubuntu/Linux, Streamlit, REST APIs, Agile, Version Control (Git), Unit Testing, Code Review, Technical Documentation

PROJECTS

- **Django-based Gmail Categorization App Powered by LLMs** | Django, LLMs, Docker, AWS, Python, pytest | [Link](#)
- **Agents-Based RAG System with LLM and Tavily Search** | LangChain, Groq, RAG, LLMs, Tavily Search, Python | [Link](#)
- **LLM Fine-Tuning with LoRA for GPT-2 and Model Evaluation** | PyTorch, GPT-2, LoRA, Hugging Face, Groq | [Link](#)
- **Flask GPT app** | Flask, GPT-2, Python | [Link](#)
- **FastAPI based app for Lung CT image classification** | FastAPI, PyTorch, Docker, Python | [Link](#)

ACHIEVEMENTS

- **Top 38% Ranking in Kaggle Competition: Binary Prediction with a Rainfall Dataset (2025)**
Ranked **1626th out of 4381** participants, applying ensemble models such as XGBoost, LightGBM, and RandomForest. Focused on feature engineering and model optimization to enhance prediction accuracy, achieving a high Area Under the ROC Curve (AUC) in a binary classification task.

EXPERIENCE

- **Python Developer | OCTA | 2021-2023**
 - Developed scalable backend solutions using Python and Flask, enhancing system reliability and maintainability.
 - Built a Flask-based API bridge to connect a PHP platform with smart contracts for seamless integration.
 - Worked in Agile teams using Git, CI/CD, and clean code practices to deliver production-ready software.
- **Recent Professional Development (2023-2025)**
 - Enhanced AI/ML skills with certifications in Fine-tuning LLMs, LangChain, and Hugging Face (DeepLearning.AI).
 - Worked on projects focusing on model optimization, MLOps, and cloud deployment.
 - Gained hands-on experience in Python, PyTorch, AWS, and real-time AI applications.
 - Contributed to open-source projects on GitHub and improved communication skills, achieving an IELTS score of 6 (B2).

EDUCATION

Master of Artificial Intelligence | Kharazmi University | 2019 - 2023 | **GPA: 17.68 / 20**

Bachelor of Computer Engineering | University of Mazandaran | 2015 - 2019 | GPA: 16.5 / 20

CERTIFICATES

- Finetuning Large Language Models
- LangChain for LLM Application Development
- ChatGPT Prompt Engineering for Developers
- Open Source Models with Hugging Face
- Machine Learning Specialization
- Convolutional Neural Network