Atena Jafari Parsa

Atena Jafari Parsa - Personal Website | atena.jafariparsa@gmail.com | Atena Jafari Parsa - LinkedIn | GitHub: AtenaJP22 (Atena Jafari Parsa) · GitHub | Atena Jafari Parsa – Medium

PROFESSIONAL SUMMARY

A dedicated Artificial Intelligence Engineering graduate (BSc) with a strong academic record (Final Year GPA: 3.94/4.00) and a focus on applying Large Language Models and MLOps to solve real-world problems. Proven experience in full-stack development of AI systems, from conceptualization and model training to deployment and lifecycle management. Seeking to pursue graduate studies in Machine Learning to further research in scalable and interpretable AI systems.

EDUCATION

Bachelor of Science in Artificial Intelligence Engineering | Final Year GPA: 3.94/4.00
Bahçeşehir University, Istanbul, Turkey (October 2021 - August 2025)
Relevant Coursework: Machine Learning, Deep Learning, Data Structures, Algorithms, Statistical Modeling, Natural Language Processing, Cloud Computing.

PROJECTS & RESEARCH EXPERIENCE

Cellenta iOS: AI-Based Cloud-Native Online Charging System | *i2i Systems (Software Intern)* | June 2025 – July 2025

- Developed a full-stack iOS application in Swift, integrating Google Gemini's API to build a personalized chatbot and intelligent package recommendation system for a telecommunications charging platform.
- Applied advanced prompt engineering techniques to tailor the LLM's responses and recommendations to the specific context of the telecommunications domain.
- Gained hands-on experience in a cloud-native development environment, utilizing Apache Kafka for data streaming and Hazelcast for in-memory computing, deployed on GCP and AWS.
- **Tech:** Swift, Python, Google Gemini API, GCP, AWS, Apache Kafka, Hazelcast, SpringBoot, Prompt Engineering.
- **Artifacts:** GitHub Repo | Demo Video

BAU-EVAL: AI-Powered Quiz & Exam Generator & Evaluator | *Bahçeşehir University (Senior Capstone Project)*

- Led the development of a full-stack educational tool that leverages Large Language Models to automate the creation and grading of academic assessments.
- Engineered the core functionality to generate context-aware quiz and exam questions using advanced prompt engineering techniques.
- Implemented an automated grading system with an instructor approval workflow, ensuring accuracy and maintaining pedagogical oversight.
- Designed a feedback mechanism that provides personalized, actionable insights to students based on their performance.
- **Tech:** Python, LLM APIs (Huggingface, LLama), Full-Stack Framework (Django/React/FastAPI), Database Management (SQL), Prompt Engineering, Fine-tuning.

Aware Citizen: LLM-Based Political Economy Analyst | *Bahçeşehir University*

- Engineered an end-to-end application using OpenAI's GPT-4-Turbo API to analyze and simulate the economic impact of political party platforms on citizen life satisfaction.
- Implemented a web scraping pipeline with Beautiful Soup to gather historical data on political parties from Wikipedia.
- Developed a prompt engineering strategy to ensure consistent, comparative analysis of complex socio-economic promises.
- Deployed an interactive web application using Streamlit, featuring dynamic data visualization for user-friendly interpretation.
- **Tech:** Python, OpenAI API, Beautiful Soup, Streamlit, Prompt Engineering.
- **Artifacts:** GitHub Repo

Pima Diabetes Prediction System: An MLOps Implementation | *Bahçeşehir University*

- Managed the complete machine learning lifecycle for a healthcare classification task using MLflow, tracking experiments, parameters, and metrics across 5 different models.
- Automated hyperparameter tuning to optimize a Random Forest classifier, achieving the highest accuracy for predicting diabetes.
- Established a reproducible framework for model training, selection, and versioning, demonstrating proficiency in MLOps principles.
- **Tech:** Python, MLflow, Scikit-learn (Random Forest, SVM, KNN, Decision Tree, Logistic Regression), Pandas.
- **Artifacts:** GitHub Repo

CERTIFICATIONS & SPECIALIZATIONS

MLOps | Machine Learning Operations | Duke University via Coursera (Issued May 2025)

- **Courses Completed:** Python Essentials for MLOps, DevOps/DataOps/MLOps, MLOps Platforms (SageMaker, AzureML), MLOps Tools (MLflow, HuggingFace).

Deep Learning Specialization | DeepLearning.AI via Coursera (Issued June 2024)

- **Courses Completed:** Neural Networks & Deep Learning, Improving Deep Neural Networks, Structuring ML Projects, Convolutional Neural Networks, Sequence Models.

Foundations of AI and Machine Learning | Microsoft (Issued Jan 2025) | Grade: 98.37%
Machine Learning with Python | IBM via Coursera (Issued Dec 2023) | Grade: 88.50%
Introduction to Applied Machine Learning | Amii via Coursera (Issued Dec 2023) | Grade: 91.70

TECHNICAL SKILLS

- **Programming Languages:** Python (Advanced), SQL, R, Java, C++, Swift
- **Machine Learning & AI:** Large Language Models, Prompt Engineering, Deep Learning, Neural Networks, Ensemble Learning, Statistical Modeling, Scikit-learn, TensorFlow/PyTorch
- **MLOps & DevOps:** MLflow, Hugging Face, Git, Docker, Cloud Platforms (GCP, AWS, Azure)
- **Languages:** English (Fluent), Farsi (Native), Turkish (Fluent), Azerbaijani (Native), French (Elementary)