SEYED ALI SHAHEBRAHIMI

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PROFILE

Data Scientist & ML Engineer (MSc) with 3+ years across the ML lifecycle — data pipelines, model training/serving and API integration (Flask, FastAPI). Strong in PyTorch and Graph Neural Networks (PyG), with Dockerised CI/CD and testing. Recently delivered a multi-dataset ML pipeline and KPI dashboards at Azaries, improving delivery speed and model generalisation.

SKILLS

• Programming & APIs: Python (Flask, FastAPI), SQL, RESTful APIs

• Data Science & Analytics: Pandas, NumPy, scikit-learn, PySpark, Deep Learning (PyTorch, TensorFlow), Graph Neural Networks (PyG), Feature engineering

• DevOps & MLOps: Docker, Git, CI/CD (GitHub Actions), model deployment/monitoring

• Cloud: AWS (Lambda, EC2, S3), transferable to Azure

• Visualisation & BI: Matplotlib, Seaborn, Plotly, Tableau, KPI dashboards, data storytelling

EXPERIENCE

Software Engineer — Azaries, Guildford, UK | Aug 2024

- • Delivered a multi-dataset classification pipeline using PySpark (ingestion → cleaning → feature engineering → model selection → hyperparameter optimisation) in <1 month; +7% F1 vs internal baseline; productionised with Docker and GitHub Actions.
- • Automated training and evaluation across scikit-learn, PyTorch and PyG with k-fold cross-validation and leakage checks, reducing manual effort and improving reproducibility.
- • Built KPI dashboards (accuracy, precision, recall, F1 score, ROC-AUC) in Tableau/Plotly to accelerate model selection and stakeholder decisions.
- • Hybrid ILP–LLM Framework — Integrated LLM with ILP to generate background knowledge and translate symbolic rules into natural language, enhancing explainability and usability.
- • Collaborated with cross-functional teams (engineers, scientists, stakeholders) to define requirements and deliver AI-driven solutions.

Full-Stack Developer — Boland Afarin Eram Co, Shiraz | Feb 2021 – Feb 2023

- • Performed exploratory data analysis with statistical visualisations to uncover trends and distributions.
- • Designed and implemented ETL pipelines integrating structured (SQL) and unstructured (JSON) data for unified analytics and reporting.
- • Designed reporting features and dashboards to improve client insights.

PROJECTS

• RoBERTa/LSTM NER & Text Classification (PyTorch) — CI/CD with GitHub Actions.

• Created a unified preprocessing pipeline for diverse data to automate ML data preparation. Github

• Stock Market Analysis using Lambda, EC2 & S3 API with cost-aware; ~15% compute reduction.   Github

• Dissertation: Fog-Robust Vehicle Detection (MSc) — YOLOv8 on foggy subsets; +5.8% mAP vs baseline. Github

EDUCATION

MSc Data Science — University of Surrey, UK (2023–2025)

BSc Computer Engineering (Software) — Shiraz Azad University (Sep 2016 – Aug 2019)