

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), R, 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, Excel, Word, KPI dashboards, data storytelling

EXPERIENCE

Software Developer — Azaries, Guildford, UK | Aug 2024- Aug 2025

- Built reusable E2E ML pipelines (PyTorch, scikit-learn, PySpark, PyG) for classification & regression, adding unit & integration tests, data validation, CI/CD, MLflow, and production monitoring.
- Translated findings into meaningful insights (feature importance, community/centrality analysis, link prediction, SHAP/Permutation tests), informing data quality fixes and decision-making.
- Built KPI dashboards (accuracy, precision, recall, F1 score, ROC-AUC) in Tableau/Plotly to accelerate model selection and stakeholder decisions.
- Fine-tuned a Hugging Face Transformer to verbalise structured rules/outputs into clear, user-centred sentences, improving 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

- Performed exploratory data analysis with statistical visualisations to uncover trends.
- Used Excel (formulas, pivot tables, and macros) to analyse and report business data efficiently.
- Created automated tools with Visual Basic (VBA) and C# to speed up routine reporting.
- Designed and implemented user-friendly, responsive web pages using HTML, CSS, and Bootstrap.
- Designed and maintained data pipelines (SQL / JSON) for unified analytics and visual dashboards.

PROJECTS

- Business analytics on a real-world business dataset using R. [Github](#)
- LLM project RoBERTa/LSTM NER & Text Classification (PyTorch) — CI/CD with GitHub Actions. [Github](#)
- 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; +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)