

Ali Akbari Alashti

Data Analyst | Machine Learning Engineer at Befoys

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Professional Summary

Machine Learning Engineer & Data Analyst with experience in Python programming, data preprocessing, and model development. Strong background in recommendation systems and customer segmentation, using algorithms such as Apriori, FP-Growth, KNN, and K-Means. Skilled in TensorFlow, Scikit-Learn, Pandas, SQL, and PyTorch, with experience working on real-world business problems. Passionate about applying machine learning techniques to solve complex challenges.

Skills & Abilities

Machine Learning & Data Analysis (Supervised & Unsupervised Learning, Regression, Classification, Clustering, Association Rules)	Python (TensorFlow, Scikit-Learn, Pandas, NumPy, PyTorch)
SQL & Database Management (SQLite, PostgreSQL)	Supervised & Unsupervised Learning (Classification, Clustering, Association Rules)
Recommendation Systems (Apriori, FP-Growth)	Data Visualization & Feature Engineering (Matplotlib, Plotly, PCA, Normalization, One-Hot Encoding)

Experience

Machine Learning Engineer | Befoys, Pardis - Tehran

Jan 2025 – to now

Developed a **Recommendation System** using **Apriori** & **FP-Growth** algorithms.

Implemented **Customer Segmentation** based on business features and purchasing history.

Applied **Clustering** and **Classification** techniques for data-driven insights.

Programming Instructor | Salam Schools & Training Centers

2023 – to now

Teaching **C++ programming** at Salam Schools for high school students.

Instructed **Python**, **C#**, **SQL**, and database concepts at various educational institutes.

Conducted university-level courses such as **Data Structures**, **Algorithms**, **Computer Systems**, and **Logic Circuits**.

Applied **project-based learning** and **problem-solving** techniques in teaching.

Network Technician | Tehran

2021

Configured radios, **switches**, and routers.

Performed **hardware** repairs on network components.

Installed and set up network devices and infrastructure.

Projects & Open-Source Contributions

Recommendation System

2025

Developed a recommendation system using **Apriori** and **FP-Growth** algorithms for pattern discovery and personalized suggestions.

Customer Clustering

Implemented **Clustering algorithms (K-Means, DBSCAN)** to segment customers based on business features and purchase history for better marketing strategies.

2024-2025

Communication

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