Zahra Dehghani

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EXPERIENCE

Software Engineer — Nov 2023 – Present
Tose Arzesh Afarin Novin Sepehr — *Tehran*
- Developed and maintained an advanced analytical exchange dashboard leveraging the capabilities of FastAPI, enabling efficient data analysis and visualization
- Developed a backtest system with FastAPI for testing strategies
- Developed a system for algorithmic trading with Python and TimescaleDB

Software Engineer — Feb 2023 – Nov 2023
Pomechain — *Abu Dhabi*
- Implemented automated processes to streamline data sanitization with Python.
- Developed a Perfume recommender system that boosted user engagement with Django REST framework.
- Implemented open-source machine translation tools.

Data scientist — Mar 2022 – Dec 2023
Jarfa co — *Tehran*
- Utilized advanced data-cleaning methodologies to enhance data quality by addressing missing data, outliers, and discrepancies.
- Ensured data integrity and accuracy through robust techniques, improving the reliability of subsequent analyses.
- Employed sophisticated feature engineering methods to extract novel features, optimizing machine learning models for enhanced efficacy.

TECHNICAL SKILLS

Languages: Python, Go, R, Bash
Frameworks: FastAPI, Django
Developer Tools: Git, Docker, Prometheus, Grafana
Databases: PostgreSQL, MySQL, SQL Server, Redis, TimescaleDB
Data Engineering Tools: PySpark, Kafka
Deep learning Libraries: TensorFlow, PyTorch, Keras

EDUCATION

Iran University of Science and Technology — Tehran, Iran
M.Sc. in Software Engineering — *2020 – 2023*

Alzahra University — Tehran, Iran
Bachelor's in Statistics — *2014 – 2018*

PROJECTS

moodim | *Python, FastAPI, PostgreSQL, Docker, Redis* — Aug 2024 – Present
- Developed APIs for tracking emotions.
- Used Redis for cashing.

taaghcheh | *Django REST framework, Docker, hazm* — Aug 2023 – Oct 2023
- Developed APIs with DRF for analyzing taaghcheh dataset.

LANGUAGES

Persian
Native

English
Upper Intermediate