ZAHRA DEHGHANI

PYTHON DEVELOPER

CONTACT

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Tehran, Iran

SKILLS

Programming Language
Python, R, Go, Bash

Web Frameworks
Django, FastAPI

Deep Learning Libraries
TensorFlow, PyTorch, Keras

Data Engineering Tools
PySpark, Kafka

Databases
PostgreSQL, MySQL, SQL Server

Development Tools
Docker, Git, Linux, Redis, Prometheus

Data Science & Artificial Intelligence
Machine Learning
Deep Learning
Natural Language Processing

EDUCATION

Iran University of Science and Technology (IUST)

M.Sc. IN SOFTWARE ENGINEERING

School of Computer Engineering

2020 - 2023

Alzahra University

BACHELOR'S IN STATISTICS

School of Mathematical Science

2014 - 2018

LANGUAGES

Persian: Native

English: Intermediate

WORK EXPERIENCE

Software Engineer

Tose Arzesh Afarin Novin Sepehr   Nov 2023 - Present

- Developed and maintained an advanced analytical exchange dashboard leveraging the capabilities of FastAPI, enabling efficient data analysis and visualization:
  - Established more than 20 robust metrics for database monitoring, guaranteeing the integrity and accuracy of critical data utilized within the system.
  - Undertook data crawling initiatives to collect pertinent information, reducing company costs.
  - Orchestrated effective communication and collaboration between backend and frontend teams.
- Developed a backtest system with FastAPI for testing strategies:
  - Collected and stored data from different APIs.
  - Designed endpoints for accessing data.
  - Provided optimized solutions for logic.

Software Engineer

Pomechain   Feb 2023 - Nov 2023

- Implemented automated processes to streamline data sanitization, reducing processing time by approximately 50%:
  - Defined efficient procedures for sanitizing tabular and image data.
  - Structured projects and wrote scripts for data sanitization.
  - Tested scripts across various scenarios and fixed bugs.
- Developed a Perfume recommender system that boosted user engagement :
  - Overcame data extraction challenges to gather necessary information.
  - Created a Rest API using the Django rest framework for the system.
- Researched and developed new AI technologies for various company applications:
  - Implemented open-source machine translation tools.

Data scientist

Jarfa co   Mar 2022 - Dec 2023

- Deployed various Machine Learning-driven fraud detection strategies tailored for implementation within insurance datasets with over one million rows :
  - 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.

Data Analysist

Life Web   Aug 2018 - Oct 2018

- Proficient Data Analysis:
  - Analyzed data sourced from social media platforms, ensuring accuracy and precision in insights extraction.