

Zahra Dehghani

Machine Learning Engineer

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ABOUT ME

I am a highly skilled professional with a Master's degree in Software Engineering and a Bachelor's degree in Statistics. Proficient in Python, R, and SQL, I excel at translating statistical theories into practical programming applications. With expertise in data analysis and a passion for transforming data into actionable intelligence, I am dedicated to solving complex problems and driving informed decision-making processes in data-driven projects.

EXPERIENCE

POMECHAIN | SOFTWARE ENGINEER

Feb 2023 – Present | Dubai, United Arab Emirates

- Automated internal processes for data sanitization, enhancing team efficiency.
- Developed AI-based APIs using Django Rest Framework.
- Implemented web scraping from various websites with different limitations.

JARFACO | DATA SCIENTIST

March 2022 – December 2022 | Tehran, Iran

- Developed machine learning models for fraud detection in insurance.
- Designed analytical dashboards to extract actionable insights from data.
- Proficient in handling big data using PySpark, ensuring efficient processing of large-scale datasets.

HESABA | INTERN

September 2020 – November 2020 | Tehran, Iran

- Developed expertise in R for statistical analytics, machine learning, and interactive dashboard design.
- Contributed significantly to data-driven projects and insights during the internship.

LIFEWEB | INTERN

August 2018 – October 2018 | Tehran, Iran

- Proficient in social media analysis and natural language processing techniques.

SELECTED PROJECTS

TAGHCHE | PYTHON, DJANGO, DJANGO REST FRAMEWORK

2023

- Included APIs calculate a book's average rating based on user reviews and identify the most frequent word in user comments, revealing key themes.

COLABPYSPARK | PYTHON, PYSPARK

2023

- Setup PySpark on Google Colab: Demonstrated the process of setting up PySpark in a Google Colab notebook, enabling efficient processing and analysis of large datasets imported from Kaggle.

PHISHING | PYTHON

2021

- Paper: Using network structure and community detection to discover important website features when distinguishing between phishing and legitimate ones.

SKILLS

PROGRAMMING

Proficient:

Python • R • SQL

Familiar:

Go • Shell

LIBRARIES/Frameworks

Numpy • Pandas • Sklearn
Matplotlib • Seaborn
Tensorflow • Keras • PyTorch
Django
Pyspark

TOOLS/PLATFORMS

Git • Docker

EDUCATION

IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

M.Sc. IN SOFTWARE ENGINEERING

2020 - 2023 | Tehran, Iran

School of Computer Engineering

ALZAHRA UNIVERSITY

BACHELOR'S IN STATISTICS

2014 - 2018 | Tehran, Iran

School of Mathematical Science

RELATED COURSES

Deep learning • Big data
Data mining
Complex network

LANGUAGE

Persian • English