

ZAHRA DEGHANI

PYTHON DEVELOPER

CONTACT



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zahradm.github.io



Tehran, Iran

SKILLS

Programming Language

Python, R, Go, Bash

Web Frameworks

Django, FastAPI, Django rest framewok

Deep Learning Libraries

TensorFlow, PyTorch, Keras

Data Engineering Tools

PySpark, Kafka

Databases

PostgreSQL, MySQL, SQL Server

Development Tools

Docker, Git, Linux, Redis, Prometheus

EDUCATION

IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

M.Sc. IN SOFTWARE ENGINEERING

School of Computer Engineering

2020 - 2023

Thesis: Provide a method to defend against adversarial examples based on increasing the transferability

ALZAHRA UNIVERSITY

BACHELOR'S IN STATISTICS

School of Mathematical Science

2014 - 2018

LANGUAGES

Persian: Native

English: Fluent

WORK EXPERIENCE

Software Engineer

Arzesh Afarin Sepehr

Nov 2023 - Present

- Spearheaded the development and oversight of an advanced analytical exchange dashboard leveraging the capabilities of FastAPI, enabling efficient data analysis and visualization:
 - Addressed technical and logical issues, ensuring uninterrupted operation.
 - Reduced API response time by approximately 10% codebase refactoring and optimization of query processes, significantly boosting operational efficiency.
 - 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, resulting in savings of 1 billion IRR. Seamlessly integrated new functionalities into the existing framework, facilitating ongoing improvements.
 - Orchestrated effective communication and collaboration between backend and frontend teams.

Software Engineer

Pomechain

Feb 2023 - Nov 2023

- Implemented automated processes to streamline data sanitization, reducing processing time by 70%:
 - 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.
 - Mentored team members on using data sanitization scripts effectively.
- Developed a Perfume recommender system that boosted user engagement by a minimum of 20% :
 - Overcame data extraction challenges to gather necessary information.
 - Explored different approaches and selected the most effective based on business metrics.
 - 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.

CERTIFICATES

Professional Project-oriented course in backend development in Django

Institution: Quera
Score: Perfect

Task-oriented course in Design Pattern

Institution: Quera
Score: Perfect

Data science

Institution: Hesaba
Score: Perfect

RELATED COURSES

Software Architecture

Professor: Dr. Ashtiani

Big Data

Professor: Dr. Naderi

Deep Learning

Professor: Dr. Mohammadi

Natural Language Processing

Professor: Dr. Pilevar

Data Mining

Professor: Dr Rahmani

SELECTED PROJECT

Taghche

Tools: Django, Django Rest Framework

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

WORK EXPERIENCE

Data Analyst

Life Web

Aug 2018 - Oct 2018

- Proficient Data Analysis:
 - Analyzed data sourced from social media platforms, ensuring accuracy and precision in insights extraction.
- Innovative Research and Development and recommended over 20 useful free tools :
 - Spearheaded research initiatives to explore and procure cutting-edge tools tailored for enhancing social media account analysis, staying ahead of industry trends and competition.
- Effective Coordination and Collaboration:
 - Facilitated seamless communication and collaboration between the development and analysis teams, ensuring alignment in project objectives and outcomes.