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Skills

Programming Languages

Python Bash

Visualization

Matplotlib TensorBoard nxviz

Data Analysis and Handling

NumPy SciPy pandas

NetworkX

Machine Learning

Scikit-Learn Keras KerasTuner

TensorFlow TensorFlow Serving

Transformers Gymnasium

NLP

NLTK Hazm

Testing

pytest

Documentation

Sphinx drf-yasg

Other Frameworks

Django REST framework

Databases

SQL Redis

Cloud AI Platforms

Google Vertex AI

Amazon SageMaker

Operating Systems

macOS Linux

Tools

Visual Studio Code PyCharm

Git Docker MySQL Workbench

AlirezaHosseini

Data Scientist

Results-oriented data scientist with a robust backend development foundation. Proficient in extracting actionable insights from complex datasets, adept at designing and implementing scalable machine learning algorithms to drive data-driven decision-making.

Experience

Data Scientist, Bookapo

February 2020 - June 2022

Tehran, Iran

- Engineered a comprehensive approach resulting in a 100% surge in an e-book platform user base to 400,000 and a doubled renewal rate, through design of a marketing SDK based on analyzing and efficient clustering user behavior history, and successful implementation of marketing campaigns.
- Innovated and implemented a scalable recommender system utilizing collaborative filtering and clustering algorithms. Resulted in a 10% increase in renewal rates by providing personalized book recommendations based on user engagement patterns.
- Pioneered the development of a graph-based keyphrase extractor system, revolutionizing content organization by generating robust tags for books and articles, enhancing database organization and information retrieval processes.
- Boosted user win-back rate by 10% through crafting a semi-supervised discount generator architecture, leveraging deep insights from user engagement patterns and purchase history analysis.

Lead Software Engineer, Bookapo

February 2019 - June 2022

Tehran, Iran

- Spearheaded a backend development team to achieve a 20% increase in user conversion rate, implementing development initiatives that blended technical innovation and user-centric solutions.
- Achieved to a 97% non-crashed users by optimizing application memory usage, reducing it by 80% through meticulous platform media size optimizing.
- Enhanced server maintainability by introducing a novel RESTful API (DRF) and a revamped MySQL database, contributing to streamlined operations and improved efficiency.
- Overcame challenges posed by international sanctions to reach 100,000 iOS users by successfully addressing issues and navigating the complexities of App Store publishing.

CI/CD Engineer, Bale Messenger

June 2017 - February 2018

Tehran, Iran

- Elevated messenger application test coverage from 40% to a 95% by expanding the UI test suite (Appium), ensuring comprehensive testing and robust quality assurance.
- Decreased UI test suite execution time by 50% through the strategic design and implementation of a new continuous integration system for both Android and iOS clients of the messenger, optimizing testing efficiency and accelerating development cycles.
- Pioneered internal educational initiatives, leading efforts to educate colleagues on effective utilization of CI and imparting essential principles of test-driven development (TDD).

Software Engineer, Irsapardaz Pasargad

May 2016 - December 2016

Tehran, Iran

- Collaborated directly with the CTO to identify and resolve technical challenges within a car dealership website (DRF), demonstrating a hands-on approach to technical optimization.
- Reduced the website's response time by 30%, through strategic refactoring of the controller, ensuring a seamless and responsive user experience.
- Elevated the website's maintainability by implementing crucial updates to its admin panel, streamlining backend processes and fortifying the platform's long-term stability.
- Engineered a 400% surge in active ads, reaching a total of 25,000, by enhancing and updating the website's general-purpose ad crawler.

Education

Bachelor of Science in Computer Engineering with AI Concentration

Iran University of Science and Technology, Department of Computer Engineering

September 2014 - February 2020

Tehran, Iran

Graph-based keyphrase extraction for Persian text under the supervision of Dr. Behrouz Minaei