

Skills

Programming Languages

Python Bash

Visualization

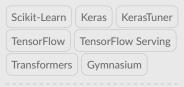
Matplotlib TensorBoard nxviz

Data Analysis and Handling

NumPy SciPy pandas

NetworkX

Machine Learning



NLP

NLTK Hazm

Testing

pytest

Documentation

Sphinx drf-yasg

Other Frameworks

Django REST framework

Databases

SQL Redis

Cloud AI Platforms

Google Vertex Al
Amazon SageMaker

Operating Systems

macOS Linux

Tools



Alireza**Hosseini**

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



- 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

Tebruary 2019 - June 2022



- 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

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- 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



- 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 Al Concentration

Iran University of Science and Technology, Department of Computer Engineering

September 2014 - February 2020

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