

Hamid Jahani

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Full Stack Data Scientist/Analyst

Summary

Results-driven Data Scientist with a proven track record in developing and deploying high-impact machine learning models and data pipelines, driving operational efficiency and revenue growth. Highly skilled in Python, R, PySpark, and various data ecosystems such as AWS and SQL. Notable achievements include leading projects in NER services, voice cloning, and text summarization. Recognized for developing machine learning platforms and MLOps procedures, leading to significant productivity improvements. Holds a Master's degree in Statistics with a specialization in Image processing and data science, and has published research on advanced deep learning techniques.

EXPERIENCE

RoomVU

Canada, Vancouver, Remote

Roomvu is the pioneer in Video Marketing for Agents, Backed by the National Association of Realtors. It generates HYPER LOCAL & Relevant Videos for your Social Media, Ads and Email Campaigns. They post 5x / WK on all your socials giving you visibility and positioning you as a market leader.

Data Scientist and Machine Learning Engineer

October 2023-Present

- Increased crawling pipeline accuracy by 50% through the development of a Named Entity Recognition (NER) service, utilizing **Celery**, **GRPC**, **Flask**, and **Python**.
- Led a full-scale machine learning project involving voice cloning, voice quality checking, and image enhancement, resulting in the development of 2 new products and a 5% increase in revenue with **Celery**, **gitlab CI**, **Serverless GPU on Runpod** and **AWS SageMaker**.
- Developed a text summarization pipeline and 3 fully automated news gathering ML models for three new industries, automating 20% of news team manual workload, expanding market reach and enabling targeted market entry.

Snappfood

Remote

Snappfood is Iran's leading online food delivery service, connecting customers with a wide variety of restaurants and grocery stores through its user-friendly platform. With a focus on efficiency and customer satisfaction, Snappfood leverages advanced technology and data-driven insights to provide a seamless and reliable delivery experience.

MLOps/Machine learning Engineer

July 2022 - Nov 2023

- Enhanced deployment speed by 30% by leading the development of automated ML training pipelines, utilizing **GitLab CI**, **Docker Swarm**, **Traefik**, and **MLflow**.
- Collaborated with cross-functional teams to implement MLOps procedures, optimizing workflow efficiency by 30%.

Data Analyst & Big Data Scientist

Dec 2021 - March 2023

- Played a key role as the fourth hire on Snappfood's Data Science team, driving the growth from 4 to 15 members by developing over 10 machine learning pipelines and dashboards and mentoring new data analysts.
- Improved operational efficiency by 60% through enhancing user session creation on Hadoop with PySpark, and crafting a user action warehouse in SQL Server, enabling effective A/B testing and dashboard creation for 4 teams.
- Delivered over 60 A/B tests using Bayesian and traditional statistical methods, resulting in a 5% revenue increase, and designed ML models for churn prediction, vendor recommendations, and auto-completion, leading to \$5000 in monthly savings and a 30% drop-off rate reduction.
- Boosted team productivity by deploying ML models with Streamlit, MLlib, scikit-learn, MLflow, and Evidently, which also contributed to doubling the average app engagement time and retaining 10% of churned customers.

Digikala

On site

Digikala is the largest e-commerce platform in Iran and one of the leading online marketplaces in the Middle East. Known for its vast selection of products and exceptional customer service, Digikala leverages advanced technology and data-driven insights to provide a seamless shopping experience for millions of users.

Business Data Analyst

April 2021 - Dec 2021

- Streamlined vendor segmentation processes, saving 20% of weekly employee efforts through the development of an interactive dashboard.
- Created 10 dashboards for the Sales team with **Power BI**.
- Engineered a precise ML model for churn prediction, retaining 10,000+ customers and about \$8000 revenue savings per month using **scikit-learn**.

SAGE AI

Data Analyst (Co-founder)

On site

Oct 2019 - Feb 2020

- Our team focused on demand forecasting using: Time series, Frequent pattern mining, and machine learning.
- Developed a highly effective bundling system at Fidibo company, resulting in a revenue increase of over \$4000 per month

SKILLS

- **Programming Languages:** Python, R, Pyspark.
- **Statistics & AI:** Machine Learning, Deep Learning (Pytorch, Tensorflow), Statistics, Probability, Exploratory Data Analysis.
- **Technical Skills:** Linux (LFCS), T-SQL, Power BI, Airflow, API (Flask, Fast API), GRPC, Celery.
- **Model Deployment:** Git, Gitlab CI, Docker (Swarm), Amazon SageMaker (**AWS**).
- **Data Ecosystem:** Mysql, Sql Server, Hive, Hbase, Trino, Traefik.

EDUCATION

TARBIAT MODARES UNIVERSITY

Tehran, Iran

Master of Science in Statistics; Major in Data Science

2020 – 2022

- First Rank among 10 students (GPA: 4/4)
- Thesis title: *Efficient deep learning approach to diagnosis of ADHD in children based on EEG signals.*

ALLAMEH TABATABA'I UNIVERSITY

Tehran, Iran

Bachelor of Statistics

2016-2020

- First Rank among 60 students (GPA: 3.93/4)

LANGUAGES

- English (Fluent), Germany (Learning), Persian (Native)

RESEARCH PUBLICATION

Journal Articles

1. **H. Jahani** and A. A. Safaei, "Efficient deep learning approach for diagnosis of attention-deficit/hyperactivity disorder in children based on EEG signals," Cognitive Computation, pp. 1–16, 2024. ([Click Here](#))

Book and chapters

1. A. A. **Hamid Jahani**, One Chapter of Handbook of Neural Engineering, Volume 1: Signal Processing Strategies (Neural signals processing using deep learning for diagnosis of cognitive disorders). Elsevier, 2023. ([Click Here](#))
2. **H. Jahani**, "Mathematical Statistics with R". Allameh Tabatabai University Publishing Center, 2020. ([Click Here](#))

MISCELLANEOUS EXPERIENCE

AWARDS AND ACHIEVEMENTS

- First Place in Second and Third Event on Play with Real Data among 60 teams.
- Second place at National Master Entrance Exam.
- Silver Medal of the Statistics Olympiad.
- Gold Medal in Iran Statistics Competition.

Feb 2023/AGNA.co

April 2021 / Iran

August 2020 and July 2019 / Iran

June 2019 / Iran