

Hamid Jahani

Data Scientist / Machine Learning Engineer

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SUMMARY

Data Scientist and Machine Learning Engineer with extensive expertise in designing and deploying robust ML models and scalable data pipelines across cloud and on-premises platforms. Skilled in **Python**, **R**, and **PySpark**, with a track record of leading innovative projects in named-entity recognition, voice cloning, text summarization, and retrieval-augmented generation. Holds a Master's degree in Statistics specializing in Data Science, complemented by published deep learning research on cognitive signal processing. Committed to leveraging data-driven solutions to advance AI capabilities and business outcomes.

EXPERIENCE

Mentor & Course Owner

Great Learning

12/2024 - Present L Bangalore, India

- Mentored learners in **data science**, **generative AI**, and **ML engineering**, guiding them through core concepts and applied projects.
- Designed course material and supervised capstone projects, delivering hands-on experience in real-world ML applications.

Data Scientist & Machine Learning Engineer

Roomvu

10/2023 - 06/2025 L Vancouver, Canada

- Increased crawling pipeline accuracy by 50% by developing an NER service with **Python**, **Celery**, **gRPC**, and **Flask**.
- Led voice-cloning and image-enhancement projects, launching two products and boosting revenue by 5% using serverless GPUs and **AWS SageMaker**.
- Built a text-summarization pipeline and three automated news models, cutting manual workload by 20% and enabling faster market entry.
- Engineered scalable **RAG pipelines** with **LangChain**, **Prefect**, and **LLMs**, achieving 98% factual accuracy and deploying a support center chatbot.

Machine Learning Engineer

SnappFood

07/2022 - 11/2023 L Tehran, Iran

- Accelerated ML deployments by 30% by automating training pipelines with **GitLab CI**, **Docker Swarm**, **Traefik**, and **MLflow**.
- Implemented MLOps workflows and cross-team collaboration practices, reducing bottlenecks by 30%.

Data Analyst & Big Data Scientist

SnappFood

12/2021 - 03/2023 L Tehran, Iran

- Built 10+ ML pipelines and dashboards and mentored junior data scientists, scaling the team from 4 to 15 members.
- Improved user session creation with **PySpark** and designed a SQL Server user-action warehouse, boosting efficiency by 60%.
- Executed 60+ A/B tests using Bayesian and classical methods, driving a 5% revenue increase.
- Developed churn prediction, vendor recommendation, and auto-completion models with **Streamlit**, **MLlib**, **scikit-learn**, **MLflow**, and **Evidently**, cutting drop-off by 30% and saving \$5000/month.

Digikala - Business Data Analyst

Digikala

04/2021 - 12/2021 L Tehran, Iran

- Automated vendor segmentation with interactive dashboards, saving 20% of weekly staff time
- Delivered 10 **Power BI** dashboards for sales teams to drive decision-making
- Engineered a churn-prediction model with scikit-learn that retained more than 10,000 customers and saved about \$8k per month

Data Analyst & Co-Founder

Sage ai

10/2019 - 02/2020 L Tehran, Iran

- Designed a product bundling system at Fidibo using time-series analysis and machine learning.
- Increased monthly revenue by \$4K+.

EDUCATION

M.Sc. in Statistics (Data Science)

Tarbiat Modares University

⌚ 2020 - 2022 🗺 Tehran

- Graduated first in class, GPA 4.0/4.0
- Thesis: Efficient deep-learning approach for ADHD diagnosis using EEG signals

B.Sc. in Statistics

Allameh Tabatabai University

⌚ 2016 - 2020 🗺 Tehran

- Graduated first in class, GPA 3.93/4.0

LANGUAGES

English
Proficient



Persian
Native



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), GRPC, Celery

Model Deployment

Git, GitLab CI, Docker Swarm, Amazon SageMaker, AWS

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](#))

Books and Chapters

1. 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. 2023/AGNA.co
- Second place at National Master Entrance Exam. 2021 / Iran
- Silver Medal of the Statistics Olympiad. 2020 and 2019 / Iran
- Gold Medal in Iran Statistics Competition. 2019 / Iran