

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 📍 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 📍 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 📍 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 📍 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 📍 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 📍 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 Tabataba'i 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