

AI (Software) Engineer

Ipchi Hagh, Keivan

Data Scientist • AI (Software) Engineer

Tehran, Iran | keivanipchihagh@gmail.com • [Website](#) • [GitHub](#) • [LinkedIn](#) • [Medium](#) • +98 (919) 727-0223

WORK EXPERIENCE

PARTNERZ

Dubai, United Arab Emirates (remote)

Senior AI Engineer

October 2025 - Present

- Developing a **multilingual, agentic AI shopping assistant** and AI-driven solutions to help merchandises boost their businesses and manage tickets more efficiently.

BALE MESSENGER

Tehran, Iran (hybrid)

Full-Stack Data Scientist

February 2022 - October 2025

- Developed **QA chatbots** using **RAG** and **LLMs** to automate customer support. Boosted performance and reliability by applying techniques and insights from **recent research**, achieving a satisfaction rate of over **65%**.
- Deployed a scalable **multi-stage recommender system**, developed **data pipelines** for feature aggregation, implemented **multi-tier caching** to reduce latency and developed solutions to handle **cold-start** for new users.
- Designed and implemented **real-time content moderation** pipelines, using **ML models** to detect and flag inappropriate and fraudulent content, enabling the processing of thousands of documents per minute.
- Developed a **Churn Prediction** model, boosting user retention rates by **5%** through personalized onboarding.

KARLANCER

Tehran, Iran (remote)

Freelance Software Engineer

July 2021 - February 2022

- Built production-ready automation scripts to deploy and manage widely used services with **Docker** and **Kubernetes**, and to support robust CI/CD pipelines and **automations**.
- Designed and built real-time **market data aggregation** pipelines across multiple brokers, dynamically applying hundreds of **indicators and trading strategies**, and generating low-latency, **trigger-based alerts** in real time.

IDE VARZAN SYSTEM

Tehran, Iran (on-site)

Backend Developer Intern

May 2021 - June 2021

- Upgraded and refactored components of an existing CRM system using **ASP.NET** and **ASP.NET Core** to improve maintainability and performance.

OPEN SOURCE PROJECTS

Shorty (SOFTWARE ENGINEERING)

March 2025 - April 2025

- Fast and scalable URL shortener written in **Golang** using best practices in system design to improve reliability.

Multi-Stage Two-Tower Movie Recommender (RECOMMENDER SYSTEMS)

June 2024 - September 2024

- Developed a movie recommendation system based on YouTube's **Two-Tower** architecture, implemented using **TensorFlow Recommenders (TFRS)** and **TensorFlow ReRanking (TFR)** frameworks.

Easy Peasy Deployment (DEV-OPS)

September 2022 - January 2023

- Configured **Docker** deployments of popular tools: Grafana, Prometheus, **Airflow**, Spark, Postgres, NPM, etc.

Deep Active-Learning Object Detection (COMPUTER VISION)

September 2023 - February 2024

- Collaborated with a **University of Toronto** postdoctoral fellow on an **active-learning** object detection project, leveraging **VAEs** and **Stable Diffusion** to improve data efficiency and model performance.

Rank Relative Ratings Of Toxicity Between Comments (NLP)

November 2022 - February 2023

- Built a **BERT-RNN** ensemble model for Twitter comment **toxicity classification**, ranking in the **top 24%** among 3,000 participants in a 2-month Kaggle competition.

SKILLS

- **Programming** Python • Golang • Django • PyTorch
- **Technologies** Kubernetes • FluxCD • Prometheus • PostgreSQL • Apache-Spark, Elasticsearch
- **Deep Learning** CNNs, GNNs, Transformers, **Multi-Stage Recommender Systems**
- **Agentic** Langgraph, Langchain, Google ADK
- **Soft-Skills** Critical Thinking • **Problem-Solving** • **Mentorship** • Story Telling
- **Spoken Languages** Persian (native) • **English (C1)** • Germany (A2)

EDUCATION

- Islamic Azad University (IAU)** **Tehran, Iran**
Master of Business Administration, Major in Information Technology *October 2025 - Present*
- Amirkabir University of Technology (Tehran Polytechnic)** **Tehran, Iran**
Bachelor of Science, Major in Computer Engineering *September 2019 - May 2024*
- Allameh Tabataba'i High School** **Tehran, Iran**
Mathematics & Physics (GPA: 19.29) *September 2016 - September 2019*
- Tehran Institute of Technology** **Tehran, Iran**
Certificate for "advanced C#", "database design principles", "full-stack development with ASP.NET" *February 2018 - July 2020*

ADDITIONAL INFORMATION

- **Articles:** [Navigating ISP Blockage](#), [Serving ML Models in Production](#), [cleaning methods QA Datasets](#)
- **Hosted a workshop** at [AAISS](#) in 2025, talking about developing **Recommender Systems in Production**
- Founder of [AUT-CE-Archive](#) and contributor of [CEDA](#) for the department's archives project.

Cover Letter

Keivan Ipchi Hagh
+98 (919) 727-0223
keivanipchihagh@gmail.com

Subject: Application for **[Position Name]** Position

Hiring Manager's Name,
[Company Name]

I am excited to apply for the **[Position Name]** position at **[Company Name]**. As a full-stack data scientist with a strong background in machine learning, data engineering, I specialize in building and deploying scalable AI solutions in products. Throughout my career, I've worked on both functional and cross-functional teams and delivered production-grade systems - from recommender systems and credit risk models to real-time content moderation pipelines and conversational chatbots.

I am particularly drawn to **[Company Name]** because of **[Company Reason]**. I would welcome the opportunity to discuss my expertise and how I can support your goals.

I'd welcome the opportunity to discuss how my experience in **[mention 1-2 most relevant skills from job description]** could support **[specific company goal or project]**. Thank you for your consideration - I'm available at your convenience for an interview and look forward to the possibility of joining your team.

Best regards,
Keivan Ipchi Hagh