

PROFESSIONAL EXPERIENCE

Full-Stack Data Scientist

BaleMessenger

Spring 2021 - Present

Tehran, Iran

- Developed Content-Moderation solutions, intricate multimedia detection pipelines and autonomous moderator systems. These initiatives were orchestrated to deal with inappropriate, fraudulent, and unsolicited content in a variety of formats.
- Actively participated in a collaborative effort to develop a Churn-Prediction model, meticulously designed to discern and amplify user retention rates by learning intricate behavioral patterns.

Full-Stack Developer

Karlancer, Ponisha

2022

Tehran, Iran

- Contributed to development of production grade and pre-configured tools leveraging Docker and Kubernetes to boost provisioning efficiency of server deployments and built CICD pipelines using Kubernetes, Helm-Charts and FluxCD.
- Engineered an analyzer system, meticulously engineered to aggregate, process, and promptly generate real-time alerts pertaining to stock market signals and price fluctuations.

EDUCATION

B.Sc. in Software Engineering

Amirkabir University of Technology

2019 - Present (Expected Jan 2024)

Tehran, Iran

- Thesis: **Semantic Segmentation for Autonomous Driving** (Supervisor: [Dr.Ehsan Nazerfard](#))
- Cumulative GPA for the past two years: 3.6/4.0
- Principles of Database Design Teaching Assistant, spring 2023, under supervision of [Dr.HamidReza Shahriari](#).
- Algorithm Design & Analysis Teaching Assistant, fall 2022, under supervision of [Dr.Hamid Haj Seyyed Javadi](#).
- Multi-Media Platforms Teaching Assistant, spring 2023, under supervision of [Dr.Siavash Khorsandi](#).

Dip.Ed in Physics and Mathematics

Allameh Tabatabaei High School

2016 - 2019

Tehran, Iran

- Overall GPA: 3.9/4.0

TECHNICAL SKILLS

Programming	Python, Java, C#, C++, Processing, JavaScript
Frameworks	Tensorflow, Keras, PyTorch, Pandas
Research Interests	Computer Vision, Natural Language Processing, Reinforcement Learning
Technologies	Docker, Kubernetes, Apache-Airflow, Apache-Spark, Prometheus, Grafana, FluxCD
Communication	Persian (native), English (fluent, IELTS 6.5 @2018), German (A2)

PROJECTS & RESEARCHES

Deep Semi-Supervised Image Semantic Segmentation

2023 - Present

Computer Vision, Semantic Segmentation, Semi-Supervised, GAN

- We aim on proposing a novel approach built on top of state of the art NVIDIA's [SemanticGAN](#) for more accurate Semantic Segmentation, under supervision of [Alireza Esmaeilzahi](#).

Deep Active-Learning Object Detection

Spring 2023 - Present

Computer Vision, Object Detection, Active-Learning, VAE

[GitHub](#)

- In collaboration with [Alireza Esmaeilzahi](#), we are working on developing Active-Learning Object Detection model incorporating the capabilities of a VAEs aiming to identify irrelevant images from datasets.

Rank relative ratings of toxicity between comments

Summer 2022

Natural Language Processing, BERT, Jigsaw

Competition, GitHub

- Constructed an ensemble language model leveraging BERT to assess the toxicity of Twitter comments in the Jigsaw dataset, resulting in a commendable ranking of 694 out of 3000 final submissions and securing a prominent position within the top 24%.

COURSES & CERTIFICATES

Data Engineer Career Track, DataCamp	August 2023
Machine Learning Scientist Career Track, DataCamp	Fall 2021
Task Oriented Artificial Intelligence and Machine Learning, Quera	Spring 2021
Neural Networks and Deep Learning, DeepLearning.AI	Spring 2021
Full-Stack Web Development with C# and ASP.NET, MFT	Winter 2020
Intermediate and Advanced Machine Learning, Kaggle	Spring 2019