Seyed Mohamad Moghadas

Email : s.m.moghadas2012@gmail.com

moghadas76.github.io ⋂, in,

Mobile : +98-937-508-8328

EDUCATION

Amirkabir University of Technology — Tehran
Master of Science in Computer Science(Data Mining major); GPA: 3.79 — *Sep. 2020 – Sep. 2022(expected)*

K.N.Toosi University of Technology — Tehran
Bachelor of Computer Engineering; GPA: 3.01 — *Sep. 2015 – Sep. 2020*

EXPERIENCE

Amirkabir University of Technology — Valiasr, Tehran
ML Research Scientist — *Jan 2021 - Present*

- **Urban traffic prediction**: Forecasting urban traffic using deep graph-based methods, implemented with Pytorch, Weights and Biases, Pytorch-lightning and Strimlit

Mahsan co. — Abbas Abad, Tehran
Django Software Engineer — *Oct 2019 - Present*

- **Object Storage**: Preparing and deploying open source object storage Ceph with Ansible, which causes 20% performance improvement compare to file system based method
- **Chart Visualization Backend**: Provided utility to visualize django data model(in highchart.js) by leveraging django ORM. It supported JSONFields, Relations such as O2M, M2M while current open-source alternatives does not support
- **License management system**: Implemented decentralized system for issuing license for main product by leveraging cryptography principles
- **Asset management system**: Implemented infrastructure to manage network asset by leverage Ansible
- **Message Queue**: Integrated SSE protocol with Redis

Sina innovation communication systems — Abbas Abad, Tehran
SRE Engineer — *Oct 2018 - Oct 2019*

- **IMS**: Design and deploying webserver (Nginx) and database (Cassandra) for open-source IMS(IP Multimedia Subsystem) core using Docker swarm.

Hipotrip — Elahie, Tehran
Internship Fullstack — *Summer 2017*

- **Automated campaign poster platform**: Implementing online poster creating web application using MEBN(Mongo,Express,Bootstrap, Nodejs) stack. It had been deployed using Nginx and Docker.

PROJECTS

- **Robust QA system in English**: Building a QA (question answering) system which is robust in facing with domain shift, Hugginface, Pytorch Github
- **Custredmine**: customised permission applied to Redmine api, Django, Celery Github
- **Geogram**: Geo location-based web application for real-time chatting, django and Bootstrap Github
- **Online Banking**: Minimal online banking system supports Depositing, Withdrawing, transferring and currency prediction Github

PROGRAMMING SKILLS

4.1 Languages

Python, Javascript, SQL, Java

4.2 Technologies

Django, Celery, Elastic, Postgresql, Kafka , Docker, Ansible, Pytorch, Tensorflow, sklearn, (g)rpc