Amirmohammad Fallah (He/Him)

Curriculum Vitae

EDUCATION

Bachelor's degree (Computer Engineering - Software Engineering) in University of Guilan
Rasht, Guilan province, Iran
2018 - present

- **GPE: 67%**

Diploma (Mathematics and Physics) in National Organization for Development of Exceptional Talents (NODET), Mirza Koochak-Khan Division
Rasht, Guilan province, Iran
2014 - 2017

- **GPA: 18.24 / 20**

RESEARCH PROJECTS & PUBLICATIONS

A. M. Fallah, V. A. Moghaddam, et al. "**Development of a Multiple Convolutional Neural Network for Data Recovery of Faulty Greenhouse Sensors on an IoT Platform**". *Computers & Electronics in Agriculture.*
(Under review)

- Role: Core member, Pioneer, Software architecture design, Electronics design, Machine learning researcher

S. S. Razavinezhad, **A. M. Fallah**, et al. "**Blood Glucose Level Prediction for Type 1 Diabetes using Deep Learning**" *Iranian Journal of Biomedical Engineering, 2021*
http://www.ijbme.org/article_46746.html

- Role: Core member, Machine learning researcher, Data analysis

A Machine Learning Approach to Classify the Chest X Rays of Healthy vs Pneumonia & Corona Virus Infection Affected Patients using Deep CNN Networks, 2020

- A deep CNN model was created using keras in python in order to learn from labeled X-Rays and predict unlabeled images.
- https://github.com/amirmfallah/chest-xray-classification

CONTACTS

Address
124st, Golsar, Rasht, Guilan province, Iran

Email
amirmhfallah@gmail.com

Phone
+98 911 247 5534

Links
LinkedIn

Github

SKILLS

Methods

Deep Learning, Statistical Analysis, Game theory, Genetic Theory, Computer Vision

Programming Languages

Javascript, Typescript, Python, Java, Solidity

Technologies

AWS Lambda, SNS, SES, S3, Heroku, Vervel

Docker, Kubernetes, Docker Compose

MongoDB, MySQL, Amazon DynamoDB, Postgres

Git, Bitbucket, GitHub, GitLab, Slack, Trello, Jira, Postman

Digikala Comments Spam Classification using Deep Merge Neural Network, 2019

- A dataset of labeled comments of Digikala ecommerce website was analyzed and a NLP model was developed to mark comments as spam or non-spam.
- https://github.com/amirmfallah/digikala-comment-classification

TEACHING EXPERIENCE

Teaching Assistant for "Fundamental Programming course (C++)", Supervisor: Dr. S.M. Shekarian
Department of Computer Engineering, Faculty of Engineering, University of Guilan
Fall 2020

Python tutor at Classcity Educational Institution
Aug 2019 - sep 2020

Python tutor at Marlik Institute of Innovation and Technology
Sep 2018 - sep 2019

Python tutor National Organization for Development of Exceptional Talents (NODET)
Mirzakoochak Khan Division
Sep 2017 - sep 2019

HONORS, AWARDS & CERTIFICATIONS

1st place in RoboCup IranOpen Junior Soccer B Light Weight Super League, *Issued by RoboCup IranOpen 2016, Tehran, Iran*
As a team member of "MirzaAllies 2"
Certificate

Certificate of Attendance to Machine Vision Workshop, *Issued by SharifCup 2014, Sharif University*
Certificate

WORK EXPERIENCES

Blockchain developer - *Web3 Developer*

Dec 2020 - present
I've been building smart contracts using solidity, Truffle, Hardhat and etc. for several NFT projects, building websites connected to the

CI/CD, Github Actions, Pipelines

Frameworks

Truffle, Ganache, Hardhat, web3, Ethers.js

Spring, Spring Boot

NodeJS, Express, NestJS

React, Angular

TensorFlow, Keras, scikit-learn
Serverless Framework

Operation Systems

MacOS, Linux Distributions, Microsoft Windows

SOFT SKILLS

Team Worker, Writing Reports and proposals, Presentation, Public Speaking, Critical Thinking

blockchain using web3 and Ethers.js. Decentralized voting applications.
Experienced with several smart contract standards. Testing DAPPs using
forking methods and testnets.

- https://github.com/amirmfallah/0xLionsNFT-contract
- https://github.com/amirmfallah/0xLions-ui

Whitefox Consulting - *Full-stack Engineer*

Feb 2021 - May 2022

Working on Golang, serverless technology and AWS in the back-end.
Experienced in AWS Lambda, DynamoDB, SNS, SQS and SES. Experienced
in authentication and authorization with Auth0. Working as an Angular
developer in improving user interface, testing and adding features to all
mobile, tablet and desktop versions.

Food delivery company, Mobydick franchise resturants — *Full-stack Developer*

Dec 2020 - Feb 2021

Developing a Multi-tenant Food Delivery mobile & web-application using
Nest.js, MongoDB, Angular, Node.js and Golang. The project included
both client side and admin dashboard view. The project was deployed
using Docker and Kubernetes and maintained using github actions
workflows. An image processor micro-service was developed to
downsize and upload images to S3 buckets using Golang.

- https://github.com/amirmfallah/mobydick-dashboard
- https://github.com/amirmfallah/mobydick-backend
- https://github.com/amirmfallah/mobydick-app-frontend
- https://github.com/amirmfallah/mobydick-image-processor

Educational institution, Classcity Online Educational Institution — *Full-stack Developer*

Aug 2019 - Feb 2021

Developed a Learning Management System based on NodeJS, Express and
MongoDB. Configured RTMP live streams on NGINX.

Educational institution, National Organization for Development of Exceptional Talents (NODET), Mirza Koochak-Khan Division — *Full-stack Developer*

Aug 2020 - Oct 2020

Implemented BigBlueButton online meetings API using NodeJs and
express. Developed online multiple choice examination systems.