

Amin Rashidbeigi

Hafez Street, Department of Computer Engineering, Amirkabir University of Technology, Tehran, Iran

☎ (+98) 9390012064 | ✉ a.rashidbeigi@gmail.com | 🏠 https://aminrashidbeigi.github.io | 📄 aminrashidbeigi | 🌐 amin-rashidbeigi | 📺 aminrashidbeigi

Professional Experience

Divar

Tehran, Iran

TECHNICAL TEAM LEADER

Jun. 2021 - now

- Divar is the most popular and successful classified application in Iran, with a user-base of more than 35 million people.
- Engineering manager of divar trust team. The aim of this 15 engineers team is to make the platform a safer place to buy and sell goods.
- Direct manager of 5 software engineers

Divar

Tehran, Iran

SOFTWARE ENGINEER

Aug. 2019 - Jun. 2021

- Develop and maintain high-loaded micro-services in Python and Go
- Optimize and refactor legacy machine learning projects

Snappmarket

Tehran, Iran

SOFTWARE ENGINEER

May 2018 - Aug. 2019

- Implement a large scale push notification service
- Collaborate with mobile and web application development team to create new features
- Debug and improve the functionality of APIs

Skills

Programming Python, Go, JavaScript, PHP

DevOps Docker, Kubernetes

Data Tools MongoDB, MySQL, RabbitMQ, Redis

Machine Learning TensorFlow, Keras, NetworkX

Languages Kurdish (native), Persian (native), English (upper-intermediate), Spanish (beginner)

Education

M.S. in Artificial Intelligence

Tehran, Iran

AMIRKABIR UNIVERSITY OF TECHNOLOGY (TEHRAN POLYTECHNIC)

2019 - Now

- **Selected Courses:** Machine Learning - Neural Networks - Statistical Machine Learning - Big Data Analytics - Probabilistic Graphical Models - Statistical Pattern Recognition - Algorithms for Complex Networks - Language Understanding

B.S. in Computer Engineering

Tehran, Iran

AMIRKABIR UNIVERSITY OF TECHNOLOGY (TEHRAN POLYTECHNIC)

2015 - 2019

- A cumulative average of **17.67** out of **20**
- **Selected Courses:** B.S. Thesis (20/20) - Artificial Intelligence (17.25/20) - Engineering Statistics (18.1/20) - Database Systems (19/20) - Design of Algorithms (17.48/20) - Data Structures (18.4/20) - Information Security (17.5/20) - Computer Networks (18.5/20) - Embedded and Real-Time Systems (20/20) - Internet Engineering (20/20) - Computer Architecture (20/20) - Operating Systems (17.59/20) - Engineering Ethics (20/20)

Research Projects

Implementation of Learning Mixture of Gaussians with Streaming Data

[CODE]

Summer 2020

- Implement InitAlg (streaming k-means initialization) and StreamKmeans algorithm
- Visualize the theorems proposed in the paper

Image Segmentation and Noise Reduction using Markov Random Field (MRF)

[CODE]

Summer 2020

- Implement a Markov Random Field model to reduce image noise
- Use simulated annealing strategy to optimize final result
- Compare Markov Random Field model noise reduction to Naive Bayes model
- Implement a Markov Random Field image segmentation model

Teaching Experience

Lab Instructor

Tehran Polytechnic

PRINCIPLES OF COMPUTER AND PROGRAMMING LAB INSTRUCTOR

Fall 2019

- Teach programming principles in C to undergraduate students [syllabus]
- Achieve 20th rank out of 59 courses presented in fall 2019 on my first teaching experience based on the students survey

Teacher Assistant

Tehran Polytechnic

AMIRKABIR UNIVERSITY OF TEHRAN B.S. COURSES TEACHER ASSISTANT

2017 - 2019

- Principles of Computer Programming, Dr. Shiri, Fall 2018
- Principles of Database Design, Dr. Shahriari, Fall 2018
- Computer Aided Digital System Design, Dr. Saheb Zamani, Spring 2018
- Computer Architecture, Dr. Farbeh, Spring 2018
- Data Structure, Dr. Dehghan, Fall 2017

Extracurricular Activity

8th and 9th Amirkabir Linux National Festival

Tehran, Iran

CORE MEMBER & MEMBER OF SCIENTIFIC COMMITTEE AT 2016

May 2015 / May 2016

16th, 17th and 18th Amirkabir ACM Programming Contest

Tehran, Iran

MEMBER OF EXECUTIVE COMMITTEE

Nov. 2015 / Nov. 2016 / Nov. 2017

Presentation

A review of Question Generation

Tehran Polytechnic

PRESENTATION OF NATURAL LANGUAGE UNDERSTANDING COURSE

Aug. 2020

A review of Generative Adversarial Networks applications

Tehran Polytechnic

PRESENTATION OF SEMINAR COURSE

Aug. 2020

Financial Applications of Machine Learning

Tehran Polytechnic

PRESENTATION OF MACHINE LEARNING COURSE [SLIDE]

Dec. 2019

An Introduction of VIM and programming in Ubuntu

Tehran Polytechnic

AUT 9TH LINUX FESTIVAL [SLIDE]

May 2017