

Roonak Moasses

(+98) 936 871 2969 roonakmoasses@gmail.com

EDUCATION

- Bachelor of Science in Software Engineering *September 2015 - June 2019*
Urmia University, Urmia, Iran
Overall GPA: 3.29 out of 4 (**last two years GPA: 3.34 out of 4**)
Major GPA: 3.33 out of 4
Thesis title: Accuracy Comparison Between Item-based and User-based Collaborative Filtering In Recommender Systems on MovieLens dataset. (20/20)
Supervisor: Dr. Saeed Shahrivari
- High School Diploma
National Organization For Development of Exceptional Talents, Sanandaj, *2007-2014*

RESEARCH INTERESTS

- Machine Learning, Deep Learning
- Data Mining
- Social Networks
- Information Retrieval

ACADEMIC ACHIEVEMENTS

- Silver Medalist in ACM-ICPC Asia Region, Tehran, December 2017
- Ranked 1st in ACM-ICPC internet contest, Urmia University 2017
- Ranked 1st in Isfahan Sheikh Bahaei Programming Contest, June 2017
- Ranked 3rd among 40 students of Urmia University 2019

TEACHING EXPERIENCE

- **Teaching Assistant** of Algorithm Design, Spring 2019
- **Teaching Assistant** of Programming Fundamentals, Spring 2018
- **Teaching Assistant** of Algorithm Design, Fall 2018
- **Teaching Assistant** of Programming Fundamentals, Spring 2017
- **English Teacher** at Safir Institute, Summer 2014, 2015

NOTABLE PROJECTS

- **An image compression system using Huffman Coding method**
Implementing image compressor was a project for Algorithm Design course. It was done in C++ language.
- **A desktop software for Insurance Company**
This project was done for database course .
- **Implementing a recommender system on MovieLens dataset**
This project was my undergraduate's final project. The goal of this project was to compare the accuracy of item-based and user-based collaborative filtering in recommender systems.
- **Implementing a chrome extension as a miner detection system**
It was the project for web engineering course. We used javascript for this project.
- **An information retrieval system implementation on Hamshahri corpus (Persian Language)**
This project was done for information retrieval system undergraduate course. It aims at building information retrieval systems for persian language.
- **Implementing lexical analysis**
This project was done for Compiler Design course using C# language.

INTERNSHIP

- **Frontend Developer at Zharfa. Co - Summer 2019**
- **Developer at Novin Pardaz Jiro - Summer 2018**

CERTIFICATES

- **Artificial Intelligence Summer School:**

Institute for Research in Fundamental Sciences (IPM)
Tehran, Iran
August 2020.

- **CodeCup Problem Solving Contest**

Sharif University of Technology
Tehran, Iran
April 2016.

- **ACM ICPC Contest**

Sharif University of Technology,
Tehran, Iran
January 2016, 2017

- **Python Course**

Quera.ir
July 2020

- **Machine Learning Course**

Quera.ir
September 2020

SKILLS

- Programming languages: C++, C, Python, MATLAB
- Problem Solving
- Machine Learning
- Web Development
- SEO
- Translation
- Teaching
- Communication
- Teamwork
- Creativity

COURSES

- **Artificial Intelligence-Expert Systems:** 20/20
- **Computer Design of Digital Systems:** 19/20
- **Discrete Mathematics:** 20/20
- **Database System Implementation:** 19.5/20
- **Principles of Compiler Design:** 18.5/20
- **Cloud Computing:** 18.60/20
- **Internet Engineering:** 17.10/20

LANGUAGES

- **English:** Full professional proficiency, TOEFL (Scheduled on November 2020)
- **Kurdish:** Native
- **Persian:** Native
- **Turkish:** Elementary proficiency
- **French:** Elementary proficiency