

Roonak Moasses

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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