

Seyedeh Mina MOUSAVIFAR

PERSONAL DATA

DATE OF BIRTH: 23 May 1996
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RESEARCH INTERESTS

Data Science, Recommendation Systems, Machine Learning
Natural Language Processing, Cognitive Science

EDUCATION

2014 - PRESENT	B. Sc in INFORMATION TECHNOLOGY ENGINEERING, Sharif University of Technology, Tehran, Iran CUMULATIVE GPA: 17.78/20, LAST TWO YEARS GPA: 18.27/20 RELEVANT COURSEWORK: <i>Artificial Intelligence (20/20), Data Analysis (19/20), Computer Simulation (20/20), Design of Algorithms(17.1/20)</i> <i>Signals & Systems(18.3/20), Multimedia Systems (20/20)</i> <i>IT Strategic Management (20/20), IT Project Management (19.2/20), Web Programming (18.5/20)</i> CURRENT COURSES: Linear Algebra, Agile Development, Software Engineering
2010 - 2014	Diploma in PHYSIC AND MATHEMATICS DISCIPLINE, Reyhane Al-Rasool High School, Tehran, Iran GPA: 19.86/20

HONORS

FALL 2018	Ranked 3rd in Cumulative GPA among approximately 36 B.Sc. IT students of the department, 2014 beginners, Sharif University of Technology.
SUMMER 2014	Top %0.1 in the Nationwide Universities Entrance Exam (Konkoor). Ranked 205 th in approximately 200,000 participants.

RESEARCH PROJECTS

SPRING 2018 - PRESENT	Automatic Playlist Generator , final thesis of BACHELOR's degree under supervision of Prof. M.A. Fazli , In this project, we aim to implement playlist generation method based on topic modeling and sentiment analysis of lyrics with bayesian hierarchical model discussed in this WSDM paper.
SUMMER 2018 - PRESENT	Aspect Analysis of Digikala reviews under supervision of Prof. H. Beigy , Digikala is an online Persian market. In this project, we try to extract aspects and their sentiment from user ratings in Persian language using BLSTM with an additional attention layer. We use word embedding method to have a more accurate result.

NOTABLE COURSE PROJECTS

- SPRING 2018 | **Aviation Safety Data Analysis**, final joint project of “DATA ANALYSIS” course,
The project consists of a crawler written in python that fetches database from Aviation Safety website. Then data is analyzed to find crash causes by topic modeling on descriptions provided for each crash, prove some expressions using hypothesis tests and data visualization. Report is available on [this page](#).
- FALL 2017 | **News Recommendation System**, volunteer joint project of “ARTIFICIAL INTELLIGENCE” course,
A Persian news recommendation system implemented in python. Extracting news topics with LDA models and filtering based on hybrid collaborative filtering and context base filtering.
- FALL 2017 | **Childf Website**, final project of “SYSTEM ANALYSIS AND DESIGN” course,
A [website](#) for helping labour children implemented in Django.

TEACHING EXPERIENCE

- FALL 2018 | Teaching Assistant, “ARTIFICIAL INTELLIGENCE” course.
M. H. Rohban, Sharif University of Technology
- FALL 2017 | Head Teaching Assistant, “INFORMATION TECHNOLOGY PROJECT MANAGEMENT” course.
S. E. Abtahi, Sharif University of Technology
- FALL 2016 | Head Teaching Assistant, “TECHNICAL AND SCIENTIFIC PRESENTATION” course.
S. E. Abtahi, Sharif University of Technology

COMPUTER SKILLS

- Advanced Knowledge: Python, Django, R, Java, Git, CSS, Matlab, Verilog, HTML, MacOS, MS Project, iWork
- Intermediate Knowledge: C, JavaScript, LINUX, UML, Windows, Modelsim, Microsoft Office, Mind Mapper, WireShark
- Basic Knowledge: C++, mysql, X86 Assembly, \LaTeX , AutoCAD

LANGUAGES

- PERSIAN: Mothertongue
- ENGLISH: Fluent
- GERMAN, ARABIC: Basic Knowledge

VOLUNTEER WORK

- DEC. 2017 | **Technical Staff**, of 19th Asia Regional ACM-ICPC Contest Tehran, Iran.
- AUG. 2017 | **Technical Staff**, of 29th National Olympiad in Informatics, Tehran, Iran,
An annual international informatics competition for high school students from various invited countries, accompanied by social and cultural programmers. .

INTERESTS AND HOBBIES

Daf instrument player(professional), Music, Workout, Traveling, Psychology