

# Seyedeh Mina MOUSAVIFAR

## PERSONAL DATA

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DATE OF BIRTH: 23 May 1996  
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## RESEARCH INTERESTS

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

## EDUCATION

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2014 - PRESENT	<b>B. Sc in INFORMATION TECHNOLOGY ENGINEERING, Sharif University of Technology, Tehran, Iran</b> 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 &amp; 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	<b>Diploma in PHYSIC AND MATHEMATICS DISCIPLINE, Reyhane Al-Rasool High School, Tehran, Iran</b> GPA: 19.86/20

## HONORS

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FALL 2018	Ranked <b>3rd</b> in Cumulative GPA among more than 30 B.Sc. IT students of the department, 2014 beginners, Sharif University of Technology.
SUMMER 2014	<b>Top %0.1</b> in the Nationwide Universities Entrance Exam (Konkour). Ranked 209 <sup>th</sup> in more than 200,000 participants.

## RESEARCH PROJECTS

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SPRING 2018 - PRESENT	<b>Music Recommender</b> , final thesis of BACHELOR's degree under supervision of <a href="#">Prof. M.A. Fazli</a> , In this project, we aim to implement playlist generation method based on topic modeling and sentiment analysis of lyrics with bayesian hierarchical model discussed <a href="#">here</a> .
SUMMER 2018 - PRESENT	<b>Sentiment Analysis of Digikala reviews</b> under supervision of <a href="#">Prof. H. Beigy</a> , <a href="#">Digikala</a> is an online Persian market. In this project, first we try to analyze sentiment of user ratings in Persian language using BLSTM. After sentiment analysis of reviews we will rate products based on these sentiments.

## NOTABLE COURSE PROJECTS

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- 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

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- 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

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- 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,  $\text{\LaTeX}$ , AutoCAD

## LANGUAGES

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

## VOLUNTEER WORK

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- DEC. 2017 | **Technical Staff**, of 19<sup>th</sup> Asia Regional ACM-ICPC Contest Tehran, Iran.
- AUG. 2017 | **Technical Staff**, of 29<sup>th</sup> 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

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