

## RESEARCH INTERESTS

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- Mining Software Repositories
- Data Science for Software Engineering
- Applied Machine Learning
- Natural Language Processing
- Recommender Systems
- Social Network Analysis

## EDUCATION

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### Sharif University of Technology (SUT)

Tehran, Iran

M.Sc. in Software Engineering

September 2019–September 2021 (Expected)

GPA: 20/20 (4/4)

- **Thesis:** “Categorization of Software Repositories in Version Control Systems”
- **Supervisors:** Dr. Abbas Heydarnoori , Maliheh Izadi 

### Khaje Naisr Toosi University of Technology (KNTU)

Tehran, Iran

B.Sc. in Electrical Engineering, Electronics

September 2010–February 2016

GPA: 15.11/20 , Average GPA of Department: 15.03/20

### Farzanegan Shariyar High School

Shahriyar, Tehran, Iran



**NODET (National Organization for Development of Exceptional Talents)**

September 2006–June 2010

Mathematics and Physics

## SCHOLARSHIPS AND AWARDS

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- Ranked 1<sup>st</sup> of class 2019 among all M.Sc. students in Sharif University of Technology. 2020
- Admitted to M.Sc. in Software Engineering program in Sharif University of Technology, the **best** university of Iran according to the QS 2021 Ranking.  2019
- Ranked 12<sup>th</sup> among approximately 25,000 participants in Iranian University Entrance Exam for Masters degree in Software Engineering. 2019
- Ranked within the top 50% of the graduating class in Khaje Nasir Toosi University of Technology. 2016
- Admitted to Khaje Nasir Toosi University of Technology, one of the top 20 universities (16<sup>th</sup>) in Iran according to QS 2021 Ranking  which requires the students to be among top 1% in Iranian University Entrance Exam to get admitted to this university. 2010
- Ranked within the top 0.5% among more than 200,000 participants in Iranian University Entrance Exam for Bachelors degree. 2010
- Ranked 1<sup>st</sup> of the graduating class in Farzanegan Shahriyar High School. 2010
- Received full scholarship from Farzanegan Shahriyar High School, NODET (Tuition Waiver). 2009



## SELECTED COURSES

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- **Data Mining:** 20/20
- **Data Science in Software Engineering:** 20/20
- **Software Evolution:** 20/20
- **Software Testing:** 20/20

## OTHER COURSES AND CERTIFICATES

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- **Mining Massive Datasets** 
- **Machine Learning** 
- **CCNP Routing & Switching**
- **CCNA Routing & Switching**

## TEACHING EXPERIENCE

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### **Sharif University of Technology**

Teaching Assistant, Database Design and Analysis

Tehran, Iran

February 2020–July 2020

### **Danesh English Institute**

English Instructor (advanced and upper-intermediate level)

Andishe, Tehran, Iran

September 2015–August 2016

### **Ghulamchi Educational Institute**

Teacher

Andishe, Tehran, Iran

September 2013–August 2015

- High school Mathematics and Geometry for Iranian University Entrance Exam preparation
- High school Physics for Iranian University Entrance Exam preparation
- English for Iranian University Entrance Exam preparation

### **Khaje Naisr Toosi University of Technology**

Teaching Assistant, Differential Equations

Tehran, Iran

February 2012–July 2012

### **Parsland English Institute**

English Instructor (intermediate and beginner level)

Andishe, Tehran, Iran

January 2008–June 2009

## PROFESSIONAL EXPERIENCE

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### **Shabake Gostar Shahriyar**

NOC Engineer

Tehran, Iran

April 2016–June 2019

- Resolved issues related to the networks, servers, and wireless links
- Managed VIP Customer Services Department
- Led wireless link installment projects

## PROJECTS

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- **User Review Analysis for Release Planning:**
  - A study on user reviews of Duolingo and Rosetta Stone Android applications to extract the bugs reported and the features requested.
- **Sentiment Analysis on User Reviews:**
  - A supervised classification of textual data.
- **A Collaborative Recommender System:**
  - Development of a recommender system that combined item-based and user-based collaborative filtering to recommend music tracks to users.
- **Market Segmentation**
  - Customer behavior analysis on data from Shabake Gostar Shahriyar ISP Company to identify root cause for customer churn.

- **A Search Engine for Persian Text**
  - Development of a similarity-detection system for Persian Wikipedia pages based on various data representation models and similarity metrics in PySpark.
- **An Ontology of Movies**
  - Development of a comprehensive queryable ontology about top 250 movies of all times.
- **Image Segmentation**
  - Identification of a particular object in images

## COMPUTER SKILLS

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- **Programming:** Python, GNU Octave, MATLAB
- **Web:** Django, HTML, CSS, JavaScript, Bootstrap
- **Tools and Libraries:** PySpark, NumPy, Pandas, Scikit Learn, SciPy
- **DBMS:** PostgreSQL, MySQL, Neo4j
- **OS:** Ubuntu, Windows
- **VCS:** Git
- **Word Processor:** L<sup>A</sup>T<sub>E</sub>X

## LANGUAGES

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- **Persian:** Mother tongue
- **English:** Fluent
  - **TOEFL:** To be taken at October 31, 2020
  - **GRE:** To be taken at November 16, 2020



## HOBBIES

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Books, Psychology and Self-Improvement, Martial Arts, Movies, Baking and Culinary

## REFERENCES

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- **Dr. Abbas Heydarnoori** 
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  - **Phone:** (+98)-21-66166648
- **Maliheh Izadi** 
  - **Email:** m.izadi@tudelft.nl