

Emad Jabbar

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Phone Number: (+98) 9359553527

## EDUCATION

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### **B.Sc. Computer Engineering - Software**

*Sept.2015 - Present*

University of Tehran (UT), Tehran, Iran (the most top university in Iran)

GPA: 16.58/20

Thesis Title: "Response Retrieval with Deep Matching Networks in Information-Seeking Conversation Systems"

Supervisor: Dr. Azadeh Shakery

### **Diploma and Pre-University in Mathematics**

*2011 - 2015*

NODET High School, Mashhad, Iran

GPA: 19.31/20

## RESEARCH INTERESTS

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- Natural Language Processing
- Information Retrieval
- Data Mining
- Applied ML
- Software Testing
- Software Engineering

## AWARDS & HONORS

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- Ranked within the top 1% among more than 300,000 participants in the Iranian university entrance exam.
- Selected for study in schools of National Organization for Development of Exceptional Talents (NODET) through an exam with less than 1% acceptance rate.

## EXPERIENCES

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### **Research Assistant**

- Intelligent Information System Lab, University of Tehran, Oct.2019 - present
- Dependable/Distributed Real-Time Systems Lab, University of Tehran, June.2018 - Oct.2018

### **Teaching Assistant**

- Head Teaching Assistant for Artificial Intelligence, University of Tehran
- Head Teaching Assistant for The Theory of Formal Languages and Automata, University of Tehran
- Teaching Assistant for Data Structure, University of Tehran
- Teaching Assistant for Software Testing, University of Tehran
- Teaching Assistant for Real-Time Embedded Systems, University of Tehran
- Teaching Assistant for Internet Engineering, University of Tehran
- Teaching Assistant for System Analysis and Design, University of Tehran
- Teaching Assistant for Software Engineering, University of Tehran

### **Work Experience**

- Student Member at Technology Transfer Office: using LAVA to develop a platform for testing deployments of systems based around the Linux kernel on ARM devices.
- Android Developer at EPPAD: Developing an Android application for insurance clients
- Software Engineering Internship at Rahnema College: Learning and using different software development methodologies.

### **Voluntary Activities**

- Machine Learning & Python Mentorship, IEEE Data Science Winter School, Dec.2019

### **CONFERENCES & SYMPOSIUMS**

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- Student committee member, The CSI International Symposium on Real-Time and Embedded Systems and Technologies (RTEST 2018)

### **SELECTED PROJECTS**

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- Multi-label classification of the MSDialog dataset with DistilBERT
- Improving Android message passing and priority inheritance mechanisms
- Developing a booking system for meeting rooms at university
- A naive bayes classifier application: poet detection from poetry (Hafez and Saadi)
- Classifying MNIST digits with classical classifiers and comparing their performances
- Implementing a CIFAR-10 classifier using convolutional neural networks in PyTorch
- Decrypting substitution ciphers with genetic algorithm

## SELECTED GRADES

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- Object Oriented Systems Desing: 18.24/20
- Software Engineering: 17.3/20
- Introduction to Software Testing: 20/20
- Internet Engineering: 18.9/20
- Algorithm Design: 19.4/20
- Computer Networks Security: 19.2/20
- Artificial Intelligence: 16.68/20
- Data Structures: 18/20
- Machines and Language Theory: 20/20
- Real Time Embedded Systems: 20/20

## SKILLS

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- Programming Languages: Python, Java, Kotlin, C/C++, JavaScript, Go, VHDL
- Databases: MySQL, SQLite, MongoDB, PostgreSQL
- Applications: GNS3, Wireshark, Systrace, Perfetto, AndroidStudio, Microsoft Office
- NLP Tools & Libraries: PyTorch, Natural Language Toolkit, Galago, SpaCy
- Operating Systems: Linux, Windows, macOS

## LANGUAGES

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- Persian: Native
- English: Fluent
  - TOEFL iBT score 103

## REFERENCES

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- 1- Dr. Mehdi Kargahi: [kargahi@ut.ac.ir](mailto:kargahi@ut.ac.ir)
- 2- Dr. Azadeh Shakery: [shakery@ut.ac.ir](mailto:shakery@ut.ac.ir)
- 3- Dr. Hakimeh Fadaei: [h.fadaei@ut.ac.ir](mailto:h.fadaei@ut.ac.ir)
- 4- Dr. Ehsan Khamespanah: [e.khamespanah@ut.ac.ir](mailto:e.khamespanah@ut.ac.ir)