# Emad Jabbar

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## EDUCATION

**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

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

## AWARDS & HONORS

- 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

**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 Softwae 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

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

## SELECTED PROJECTS

- Multi-label classification of the MSDialog dataset with DistilBERT

- A naive bayes classifier application: poet detection from poetry (Hafez and Saadi)

- Classifying MNIST digits with classical classifiers and comparing their performances

- Improving Android message passing and priority inheritance mechanisms

- Implementing a CIFAR-10 classifier using convolutional neural networks in PyTorch

- Decrypting substitution ciphers with genetic algorithm

## SKILLS

- Programming Languages: Python,  Java, Kotlin, C/C++,  JavaScript, Go, VHDL

- Databases: MySQL, SQLite, MongoDB, PostgreSQL

- Applications: GNS3, Wireshark, Systrace, Perfetto, AndroidStudio, Microsoft Office

- Other Tools & Libraries: PyTorch, Natural Language Toolkit, Galago, SpaCy

- Operating Systems: Linux, Windows, macOS


## LANGUAGES

- Persian: Native

- English: Fluent
  - TOEFL iBT score 103


## REFERENCES

1- Dr. Mehdi Kargahi: kargahi@ut.ac.ir

2- Dr. Azadeh Shakery: shakery@ut.ac.ir

3- Dr. Hakimeh Fadaei: h.fadaei@ut.ac.ir

4- Dr. Ehsan Khamespanah: e.khamespanah@ut.ac.ir