

Sep 2020

## Maryam Ghassemi

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Date of birth: 1/5/1997

### REASEARCH INTREST

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- Machine Learning
- Cognitive Science
- Robotics
- Decision Making (DM) Under Uncertainty
- Virtual Reality
- Augmented Reality
- Image Processing, Face Recognition

### EDUCATION

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| 2015-2019 | <ul style="list-style-type: none"><li>• <b>B.Sc.in Computer Engineering (Software Engineering)</b><br/>Department of Electrical and Computer Engineering, Faculty of Engineering, <b>Shahid Beheshti University</b>, Tehran, Iran<br/><b>Last two years Gpa:</b></li></ul> |
| 2011-2014 | <ul style="list-style-type: none"><li>• <b>Diploma Zohreh Tehrani High School in Math and Physics</b><br/><b>Overall Gpa : 19.33/20</b></li></ul>  |

### GRADUATE COURSES

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- | <b>AI Related</b>  | <b>Mathematical</b>  |
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| <ul style="list-style-type: none"><li>• Computational Intelligence :4/4</li><li>• Data Mining : 3.5/4 ( Top Student )</li><li>• Robotics : 4/4</li></ul> | <ul style="list-style-type: none"><li>• Engineering Mathematics: 3.6 / 4</li><li>• Signals and Systems : 3.6 / 4</li><li>• Probabilities and Statistics : 3.2 / 4</li><li>• Basic Maths : 3.5 / 4</li><li>• </li></ul> |

### PUBLICATION

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- A.SalimiBadr and M.Ghassemi , **"LSTM classification for Parkinson's Disease diagnosis"**,  
*Attending to IKT2020*

## SELECTED ACADEMIC PROJECTS

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- Fall 2019 • Collected Persian handwritten similar to MNIST and Developed ***“Number Classifier Neural Network”*** using python
- Spring 2019 • Designed ***“Critics and Suggestion System”*** using MYSQL as DataBase and SpringBoot as back-end frame work for Internet Engineering course
- Spring 2019 • Designed and Implement ***“Smart attendance checker”*** application for bachelor project
- Winter 2019 • Developed ***“Link Crawler”*** for crawling all links and sub links on the webpage and save it in a efficient custom tree data structure
- Winter 2019 • Developed ***“Proxy exchanger”*** using java and docker
- Fall 2018 • Developed ***“Simple Topic Detector”*** using MATLAB for MATLAB laboratory course
- Fall 2018 • Designed and Implement an ***“LL1 Compiler”*** for pseudo C language for compiler course
- Fall 2017 • Developed ***“Human vocal cords through autocorrelation technique detector using PDA”*** on AVR processor
- Spring 2017 • Designed and Implemented ***“Single and Multi-cycle Arm Processor”*** using SystemVerilog for Computer Architecture course
- Fall 2016 • Designed and Implemented structure ***“Movie and serial database”*** using java for Data Structure course

## WORK EXPERIENCE

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- Jul 2018 – Sep 2018 **Back-End Trainee:** Internship in *FANAP* Co. which is one of the Pioneer in Iran online financial system  
Started learning Spring Boot framework of Java
- Oct 2018 – Jan 2020 **Back-End Developer:** Working in *AWANS StartUp* as Backend Developer and Server Implementor  
Developed a system for selling sort of short-term insurances
- Oct 2019 – Jan 2020 **Mobile Developer:** Working in *AWANS StartUp* as Mobile developer  
Learned Mobile Developing from scratch Self-taught
- Apr 2020 - Present **Back-End Developer:** Working in *TAPSELL* Co. which is the first Smart digital advertising network in Iran as Backend Developer

## TEACHING EXPERIENCES

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- Fall 2018 • Teaching Assistant ***“Computer Architecture”***
- Fall 2018 • Teaching Assistant ***“Computer Network”***
- 2015 - 2018 • Teaching in Private Class  
*Preparation for the national undergraduate entrance exam*  
*Teaching High school and PreUniversity Lessons*

## COMPUTER SKILLS

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|-------------------|---|
| Languages         | <ul style="list-style-type: none"><li>• Expert in : Java , Kotlin , Python ,SQL</li><li>• Familiar with : C, C++ , JavaScript , Html , CSS , 8086 Assembly , Verilog , VHDL</li></ul> |
| Softwares         | <ul style="list-style-type: none"><li>• Expert in : MATLAB , IntelliJ , VScode</li></ul>  |
| Operating Systems | <ul style="list-style-type: none"><li>• Expert in :Linux and Windows</li></ul>  |
| Data Base         | <ul style="list-style-type: none"><li>• Expert in :MYSQL , Postgres , MongoDB</li></ul>   |
| Frameworks        | <ul style="list-style-type: none"><li>• Expert in :Spring boot , React , React-Native , Hibernate</li><li>• Familiar with :Django</li></ul>   |
| Others            | <ul style="list-style-type: none"><li>• Expert in : Elastic &amp; Kibana</li><li>• Familiar with : Kubernetes ,Docker , Kafka</li></ul>   |

## LANGUAGE SKILLS

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- **Persian** : Native
- **English** : Fluent ( TOEFL: to be taken on October 17<sup>th</sup>)
- **Arabic** : Familiar

## HONORS

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- **Rank in top 2%**  
*Among all 168,000 participants in the national undergraduate entrance exam of universities (2015) in Iran.*

## EXTRACURRICULAR ACTIVITIES AND HOBBIES

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- **Playing Violin**  
*Playing Since 2004*
- **Photography**
- **Sports : Volleyball , Swimming , Skating**
- **Member of Shahid Beheshti University Music Club (since 2015)**  
*Attending weekly gathering*
- **In Charge of IEEE Control Group of University of Shahid Beheshti Student Branch**  
*Assistant to hold events*

REFERENCES ARE AVAILABLE UPON REQUEST