

Sep 2020

## Maryam Ghassemi

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### REASEARCH INTREST

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- Machine Learning
- Cognitive Science
- Robotics
- Image Processing , Virtual Reality , Augmented Reality
- Data Mining & Science

### EDUCATION

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- 2015-2020
- **B.Sc.in Computer Engineering (Software Engineering)**  
Shahid Beheshti University Department of Electrical and Computer Engineering, Tehran, Iran  
ranked amongst 310 universities in Iran <https://www.4icu.org/ir/>  
**GPA :**  
**Last three years GPA:**
- 2011-2015
- **Diploma in Math and Physics**  
Zohreh Tehrani and Kooshesh High School  
**Overall Gpa : 19.33/20**

### SELECTED COURSES

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#### AI Related

- Computational Intelligence :4/4
- Data Mining : 3.5/4 ( Top Student )
- Robotics : 4/4

#### Mathematical

- Engineering Mathematics: 3.6 / 4
- Signals and Systems : 3.6 / 4
- Probabilities and Statistics : 3.2 / 4
- Basic Maths : 3.5 / 4
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## SELECTED ACADEMIC PROJECTS

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- Fall 2019 • Collected Persian handwritten data 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 Implemented ***“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 Implemented 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 Network”***
- Fall 2018 • Teaching Assistant ***“Computer Architecture”***
- 2015 - 2018 • Teaching in Private Classes  
*High school and Pre University Lessons in Maths and Physics*

## COMPUTER SKILLS

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|-------------------|---|
| Languages         | <ul style="list-style-type: none"><li>• Expert in : Java , Kotlin , Python ,SQL, MATLAB</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 : IntelliJ, Pycharm , VScode</li></ul>  |
| Operating Systems | <ul style="list-style-type: none"><li>• Expert in :Linux and Windows</li></ul>  |
| Data Bases        | <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

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

## HONORS

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- **Rank in top 1.5%**  
*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 Robotic Group
- 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