

Monireh Safari

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RESEARCH INTERESTS	<ul style="list-style-type: none">▪ Machine Learning and Deep Learning▪ Neural Network▪ Pattern Recognition▪ Cognitive Science▪ Big Data and Data mining▪ Image Processing	
EDUCATION	Amirkabir University of Technology , Tehran, Iran <ul style="list-style-type: none">▪ B.S. in Computer Engineering, GPA: 18.21 / 20 Total Passed Credits: 88 NODET(Sampad) , Tehran, Iran <ul style="list-style-type: none">▪ Diploma in Mathematics and Physics Discipline, GPA: 19.87/20	Sep 2015 – Sep 2019 2011– 2015
RESEARCH EXPERIENCE	IOT (Internet Of Things) Lab (Amirkabir University of Technology, Iran,Tehran)	2017
HONORS & AWARDS	<ul style="list-style-type: none">▪ Ranked top 0.4 % among more than 180,000 students participated in the nationwide entrance examination of undergraduate studies in Iranian universities▪ Best Persentation in RoboCup Eindhoven(The Netherlands)▪ first place of RoboCup IranOpen 2013 Competition▪ Member of National Organization for Development of Exceptional	2014 – 2015 2013 2013 2011-2015
TEACHING EXPERIENCE	Probability And Statistic ,Amirkabir University of Technology <ul style="list-style-type: none">▪ Instructor: Dr.m.AmirHaeri	Spring 2018
LANGUAGE SKILLS	<ul style="list-style-type: none">▪ Persian: Native language.▪ English: Fluent (speaking, reading, writing).	
TECHNICAL SKILLS	<ul style="list-style-type: none">•Programming and Development<ul style="list-style-type: none">–Python 3–Java–C And C++–VHDL And Verilog–HTML+CSS–SQL–MongoDB–Node.js–PHP (Familiar)–Android (Familiar)• Software libraries and distributions:<ul style="list-style-type: none">–Scikit-Learn–Pandas–Numpy–OpenCV–Conda•Others:<ul style="list-style-type: none">•\LaTeX•MATLAB And Octave	

- Docker
- Yacc and Lex

PROJECTS

- Data Structure :**
 - Search engine using inverted index algorithm(Java)
 - Finite-State Automata (Java)
- Advanced Computer Programming:**
 - Implementation of a graphical game (JPVZ) (Java)
 - Implementation of a Persian Calendar (Java)
- Principles of Computer and Programming :**
 - Simple compiler (C)
- Logic Design :**
 - Traffic Light System (Verilog)
- Computer Architecture and design :**
 - Basic Computer(SAYEH),Cache And Pipeline(VHDL)
- Operating Systems:**
 - Multiprocessing And Multithreading in Windows and Linux(C++)
- IOT:**
 - Distributed Calculator (Python-Docker)
- Design Automation:**
 - Phase1:Implementation of a car parking system(VHDL).
 - Phase2:Implementation of a co-software,hardware design using Microblaze(VHDL).
 - Phase3:Implementation of a Plant-Watering System(VHDL)
- Principles of Database Design:**
 - Implementation of Stack Over Flow Site(Java-MongoDB).
- OS Lab:**
 - Implementation of a simple kernel module for linux (C).
- Principles of Compiler Design:**
 - Implementation of Compiler(Yacc-Lex-Python).
- Advanced Mathematics:**
 - Facial Recognition with Singular Value Decomposition(Python)

CHALLENGES AND SELF STUDIES

- Amirkabir First Data mining Challenge**(Fall 2017)
 - Analyzing the bank customer’s information
 - Predicting the result
- Deca Datamining challenge**, Sharif University of Technology(Winter2018)
 - Analyzing the Notification of an App and the effect of different kind of notifs on the satisfaction of the users.
- Amirkabir ACM Challenge**(Fall 2016 and Fall 2015)
- Sharif Android Programing Marathon**(Summer 2016)
- RoboCup Eindhoven(The Netherlands)**(Summer 2013)
- RoboCup IranOpen Competitions**(Spring 2013)
- ”Coursera Machine learning course”** By Andrew NG,University of Stanford(Winter 2017)
- ”Code Academy Online Courses”**: Python, Java (2016)

INTERESTS

Painting, Philosophy, Music, Football, Table Tennis

REFERENCES

- Further information, and Proofs are available upon Request.
- All Available in:
Github