

## Education

*B.Sc. of Computer Engineering (Software)*, K.N. Toosi University of Technology, Tehran, Iran

2014-2019

GPA, 16.23/20

Last Two-Year GPA, 18.10/20

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## Selected Courses

Fundamentals of Computer Vision, 17.7/20

Fundamentals of Robotics, 17.5/20

Artificial Intelligence & Expert Systems, 19/20

Software Engineering, 19.5/20

System Analysis & Design, 18.5/20

Advanced Programming, 16/20

Engineering Probability, 19/20

Signals & Systems, 17.5/20

Operating Systems, 19.3/20

Design of Programming Languages, 19.3/20

Eng Mathematics, 20/20

Electrical Circuits, 20/20

Computer Networks, 18/20

Micro Processors & Assembly Language, 20/20

Computer Structure & Language, 20/20

Research & Technial Presentation, 17.2/20

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## Research Interests

Computer Vision

Deep Learning

Artificial Neural Networks

Machine Learning

Image Processing

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## Selected Projects

**Facial Expression Recognition**, Trained a Cascade Detector to detect faces from the video frame and a Convolutional Neural Network to classify the faces in 5 classes based on expression.

**Page Rank**, Implemented a Python script to spider a website and rank its pages then visualize the results of page ranking.

**Email Data Analysis**, Implemented a Python script to catch over 1 gigabyte email data, clean and model them in database and find top 10 organizations which sent most emails.

**Vehicle Routing**, Implemented client-side of a website which is used to choose some destinations and get the most efficient route between them.

**Heart Disease Detection**, Developed a Rule-Based Expert System to detect heart disease based on patient's symptoms.

**Library Management System**, Developed a graphical library management system using Java, Javafx, Oracle 12c database, and Hibernate.

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## Honors and Awards

Dean's List of Computer Engineering Department, K.N. Toosi University of Technology, Tehran, Iran

2018

Ranked Top 0.5 % among approximately 200,000 participants in the National Entrance Examination form Iranian Universities, Iran

2014

## Accomplished Courses

<b>Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning</b> , deeplearning.ai, Coursera, <i>certificate</i>	Summer 2019
<b>Structuring Machine Learning Projects</b> , deeplearning.ai, Coursera, <i>certificate</i>	Summer 2019
<b>Hyperparameter tuning, Regularization and Optimization</b> , deeplearning.ai, Coursera, <i>certificate</i>	Spring 2019
<b>Neural Networks and Deep Learning</b> , deeplearning.ai, Coursera, <i>certificate</i>	Spring 2019
<b>Python for Everybody</b> , 5-course specialization, University of Michigan, Coursera, <i>certificate</i>	Spring 2019
<b>Data Mining with Python</b> , KNTU ACM Student Chapter, Tehran, Iran, <i>certificate</i>	Winter 2018

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## Work Experiences

<b>Rahbin Sanat Nasir</b> , <i>Intern</i> , Implemented a Lane Departure Warning (LDW) system.	Summer 2018
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## Teaching Experiences

<b>Hatef High school</b> , <i>Teacher</i> , Python Programming	2019-Present
<b>K.N. Toosi University of Technology</b> , <i>Teaching Assistant</i> , Artificial Intelligence & Expert Systems	Fall 2018
<b>K.N. Toosi University of Technology</b> , <i>Teaching Assistant</i> , Artificial Intelligence & Expert Systems	Fall 2017
<b>K.N. Toosi University of Technology</b> , <i>Teaching Assistant</i> , Principles of Database Design	Spring 2017
<b>K.N. Toosi University of Technology</b> , <i>Teaching Assistant</i> , Theory of Formal Languages & Automata	Spring 2016

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## Extracurricular Activities

<b>ACM Student Member</b>	2018-Present
<b>KNTU ACM Student Chapter</b> , <i>Vice President</i>	2018-2019
<b>KNTU Computer Engineering Student Scientific Association</b>	2017-2019

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## Computer Skills

Programming	Python, Java, SQL, C/C++
Tools	Tensorflow, Keras, OpenCV, Kivy, PostgreSQL, Oracle 12c, Flask, L <sup>A</sup> T <sub>E</sub> X, Adobe Photoshop, Adobe Illustrator, MS Office

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## Languages

English	IELTS 7 – LISTENING 7, READING 7, WRITING 6.5, SPEAKING 6.5 GRE – QUANTITATIVE REASONING 162, VERBAL REASONING 140
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