

Negin marivani

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Education

- **B.SC. IN COMPUTER ENGINEERING (SOFTWARE)**
UNIVERSITY OF TEHRAN, TEHRAN, IRAN (SEP. 2015 – FEB. 2020)
- **M.SC. IN ARTIFICIAL INTELLIGENCE**
AMIRKABIR UNIVERSITY OF TECHNOLOGY, TEHRAN, IRAN (SEP. 2020 –)

Skills Highlights

Strong Programming Skills - Data Structures – Regression – Classification - Clustering Models – Tensorflow – Numpy – Pandas - SciKit Learn –Unit testing and CI/CD Machine learning- Python

Project Experience

Web Application (java EE –react –mysql) -Internet Engineering (Prof.khamespanah)
Implementation of TCP Reno Protocol (Java)-Computer Network(Prof.khonsari)
Indoor Localization by BLE modules with regression (python) – Real-time embedded systems
Feature-Interaction Analysis in Automotive Software – Bachelor project (Prof. faghih)

Master :

Regression , regularization , KNN , DT , SVM , clustering implementation on real data –
(Machine learning –Dr.Nazerfard)
Convex optimization (CVXPY) –(Convex optimization - Dr. Amirmazlaghani)
Frequent itemset , Association rules , A-priori, LSH, BFR , SVD, recommendation systems-
(Big Data – Dr.Haghircheghrehani)
PCA , LDA , perceptron, Density estimation , KNN – (Pattern recognition – Dr.Rahmati)
MLP ,Kohonen SOM , CNN , ResNet ,LSTM , RNN (tensorflow) –(Neural Network – Dr.Safabakhsh)
Probability – Random variables ,Markov chains , HMM -
(Stochastic Processes – Dr. Amirmazlaghani)
Information retrieval Models (vector space , word2Vec , parsBert) recommendation systems –
(Information Retrieval –Dr.Momtazi)
Evolution Strategies -Genetic Programming , Particle Swarm , Immune Network –
(Evolutionary – Dr. Ebadzadeh)
Deep Learning Specialization – Coursera (Andrew Ng)
Time Series Analysis in Python 2020 – Udemey

Academic Achievements

Ranked 241 in the Iranian University Entrance Exam (Konkur 2015)
Ranked 70 in the Iranian University Entrance Exam (Master 2020 , AI)

Master Thesis

Predicting the direction and closing prices of Bitcoin exchange rate using hybrid techniques

Interest

Time series prediction – Big Data - Statistic