Pouya Zahedi

Machine Learning Engineer | Data Scientist

Personal Data

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Personal description

Machine learning engineer with 2 years experience in pattern recognition, machine vision, deep learning and time series prediction applications using new RNN methods. Hands on Linux based embedded system and software programming. Formerly teacher assistant in computer programming and Digital designs and computer architecture for 5 years.

Work Experience

Present – Sep 2021 | **Paya telecommunication industry**, Tehran
ML Engineer

- Smart Parking System: Implementation plate recognition at MCI Company using Neural Networks.
- Smart Parking System: Implementation parking occupation forecasting at MCI Company using Recurrent Neural Networks.
- Smart monitoring: Implement error detection for sensors at Refah chain stores using Machine Learning Algorithms.

Sep 2021 – Nov 2020 | **Yazd University (ECAD lab)**, Yazd
ML Engineer

Macromodeling electronic components using State-of-Art recurrent Neural Networks.

Mar 2019 – Feb 2019 | **Nooramoj Sharif Co.** , Tehran
Embedded Developer

Implementation Real-Time audio compression for broadcasting using MPEG-2.

Machine Learning Skills

- Neural Networks and applications
  - Pattern recognition algorithms such as SVM, KNN, Linear and Quadratic classifier and etc.
  - Neural networks such as CNNs, R-CNN, YOLO, RNN, LSTM, GRU and etc.
  - Behavior Prediction, Recommendation systems, Object Detection and Classification.
- Tools
  - Pytorch, Tensorflow, Keras and OpenCV.
  - Gitlab CI/CD

- Mathematical
  - Video processing.
  - Linear algebra and Statistics.

Other Skills

Programming :	Python, C++, Matlab
Database and Big data:	MySQL, MongoDB, PySpark
Others:	Linux, Git

Education

Dec 2021	MSc in **Digital Electronic Systems**, Yazd university.
Sep 2019	Graduated as 1^{st} rank among 2019 entrance.
Sep 2018	BSc in **Electrical Enginieering**, Yazd university.
Sep 2013	