

Milad Ghalejugh

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Data Scientist | Machine Learning Researcher: A team-oriented, problem solver with a Master's Degree in Computer Science and 5+ years of working as Data Analyst. Highly proficient in Python and Data Science. My goal is to progress an effective career in Data Science and Machine Learning.

Experience

OSS Data Scientist

Huawei, Tehran, 04/2021 - Present

Data Scientist

NAK, Tehran, 06/2019 - 04/2021

- Implement machine learning based web-app using Django and Asynchronous training using Celery for customers to use in different scenarios of data collection,
- Implementing Classification of User Indoor and Outdoor by Machine Learning and Deep Learning algorithms with LTE measurement data Estimating the Mobility of users with higher accuracy and less training time,
- Handling full stack programming tasks for the development of the high-profile external web app,
- Cleared several performance bottlenecks in Pars project for large-scale deployments,
- Handle and Scheduling tasks asynchronously with Celery and Celery Beat and RabbitMQ message-broker,
- Scrapping data from house selling web-site, save it in MYSQL database and use Machine Learning algorithms to estimate the price of house with high accuracy,
- Estimation of User Speed by different Machine Learning algorithms using LTE Measurement data with 30% enhanced Error rate to previous methods and Implement the whole procedure in web,

Data Analyst

Rightel, Tehran, 09/2018 - 06/2019

- Exposed optimization data from OSS and analysed (Python, ISSTAR).
- Analysis of UMTS Channel Elements Data for improvement of network quality with less time and more accuracy compared to traditional method,
- Automate Collecting all LTE_UMTS cell information in RAN and Core side and comparing them which saved Rightel \$80kUSD (Python, ISSTAR),
- Corrected FFT scan visibility issue for the 2100 band across 120 sites in LMT by analysis the entire database (SQL),
- Fix Task Management task upload file in OSS and develop the tools for checking the accuracy for customer (Python, SQL),
- Automated eNodeB Parameter dump for the first time the company's history (Python),
- RNC Unavailability Cells Report Automation enabled 5% lower maintenance costs in 2018 (Python, ISSTAR).

RAN Data Analyst

NAK, Tehran, 04/2015 - 09/2018

- Analysis of network database with existing configuration and remove 900 frequency band from combined U900-L1800 node element of Nokia vendor, merge 2600, and merge it with 1800 BAND, and automate it. (Python).
- Develop a data analysis tools for Nokia Carrier Aggregation of 2600 Band with high time saving and accuracy in (Python).
- Reduce call drop failures, using Regression based call drop estimation during the week (Python).
- Automation of creating the Commission & Integration files, creating the neighbour files for (2G and 3G), which reduces the time from 4 months to 3 hours, and without any errors, and was utilized in the company(Python).

SKILLS

- Pandas, Numpy, Scipy, SKlearn, XGBoost, Tensorflow, Keras,
- SVM, Regression, Logistic Regression
- Ensemble Learning(Random Forest, Bagging, Gradient Boosting, Stacking and Blending Regression, XGBoost)
- Neural Network Algorithms (Fully Connected NN, CNN, RNN), Transfer Learning, Unsupervised Learning (Clustering and Anomaly detection, Autoencoder), Optimization Algorithms, Regularization Methods,
- Python,
- Web-Scraping(Beautiful Soup),
- Full-Stack Django(Python, Javascript, CSS, HTML),
- SQL, PostgreSQL, MySQL,
- Celery, Redis, RabbitMQ,
- GIT, Linux Bash Scripting,

Education

- Master of Computer Science in Telecommunication | University of Tehran, Tehran, 09/2013-09/2016.
- Bachelor of Power Electrical Engineering | University of Urmia, Urmia, 09/2009-09/2013.

Certificates

- Scrum Master (NAK)
- Advanced Python (Maktabkhoone)
- CCNA (NAK)
- Netwrok+ (Kahkeshan)

Publications

IEEE paper "Video watermarking in the DT-DWT domain using hyperbolic function", Int. . . . Iranian Society of Cryptology Conf. on Information Security and Cryptology, Tehran, 2016.

Languages

Kurdish (Native), Persian (Native), English (Full Proficiency), Turkish (Full Proficiency)