

Rohan Singh Rajput

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EDUCATION

University of Central Florida, Orlando, *Masters of Computer Engineering*

FALL 2015 - SPRING 2017

EXPERIENCE

The Walt Disney Company, Orlando, *Data Analyst Intern*

JAN 2017 - MAY 2017

- Automated a manual data mining process using Microsoft SQL server and SSIS process. Optimized the query timing by 70 percent. Reduced 16 hours of manual work and increased the accuracy of data by nearly 100 percent.
- Delivered sessions on "Python tutorial for Data Science" and "Machine Learning for Data Science" in liaison with data analytics teams at California and Florida locations

University of Central Florida, Orlando *Graduate Research Assistant*
2016

JAN 2016 - DEC

- Worked on Energy forecasting project using Deep Learning. Used RNN models to forecast time series models. Achieved 7% accuracy improvement over traditional systems

Tata Consultancy Services, India *System Engineer*

DEC 2012 - JULY 2015

- Worked on enhancement project for Data analytics tool. Created reporting and visualization tool. Automated report generation, monthly dashboard, and analytical processes for team. Reduced manual workload by 10-15 hours monthly
- Recognized with "Technical Excellency", "Star Team", "Best Team" awards

PROJECTS

Semi-supervised Learning on HPC Environment

AUG 2016 - DEC 2016

- Implemented large-scale deep learning model on Supercomputer and GPU cluster on distributed environment using CIFAR-10 dataset, TensorFlow, Hadoop and Spark; remodeled the system on AWS; expedited model training time by 81% from non-distributed to distributed environment

Deep Forecaster: RNN based Forecasting Model

AUG 2016 - DEC 2016

- Created forecasting model using RNNs and Keras (TensorFlow) for time-series data (UCI ML data set - healthcare, household energy consumption, financial); performed grid search for hyper-parameter tuning to achieve good score on LSTM and GRU model on Titan X GPU; reduced RMSE by 21% over traditional ARIMA model

Kaggle House Price Prediction

APRIL 2017 - MAY 2017

- Predicted house price using feature engineering and an ensemble model of Lasso Regularization and XGBoost; attained an RMSE of 11% to secure a rank of 142 out of 2249 (top 7%)

SKILLS

Programming: Python, Java, R, SQL, No-SQL, MATLAB | **Big-Data Platform:** Hadoop, Spark, Hive, PIG

Application Packages: Jupyter Notebook, Microsoft Azure, R-studio | **Libraries:** TensorFlow, Sci-kit learn, Keras

Database: MySQL, Microsoft SQL server, Oracle, Mongo-db | **Cloud Platforms:** Google Cloud, AWS, Azure