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EMPLOYMENT

Data Analyst, Intern — **The Walt Disney Company** — **Jan 2017 – May 2017**

- Automated a manual data mining process using Microsoft SQL server and SSIS process. Created SSIS package on C# for automation. Written various stored procedure, configured XML, created documentation for the project. Written complex queries for the data cleaning and fetching from various other databases systems.
- Optimized the query timing by 70 percent. Reduced 16 hours of manual work and increased the accuracy of data by nearly 100 percent. Worked on Agile SDLC framework.
- Created Machine Learning predictive model to forecast the workload using historical data. Used Microsoft Azure Machine Learning Platform.

Graduate Research Assistant — **University of Central Florida** — **May 2016 – Dec 2016**

- Worked on Energy forecasting project using Machine Learning on python. Tested model on historical data of National Renewable Energy Laboratory. Built entire system for the project, managed various users, OS abstraction, database setup.
- Used TensorFlow to implement RNN models to forecast time series models. Achieved 7% accuracy improvement over traditional systems. Created prototype for the client, evaluated results with benchmarking with traditional statistical systems.

Graduate Research Assistant — **University of Central Florida** — **Jan 2016 – May 2016**

- Implemented large-scale Machine learning model on Supercomputer and GPU cluster on distributed environment using python.
- Deployed CNN model with using CIFAR-10 dataset, Tensor Flow, Hadoop and Spark; remodeled the system on AWS; expedited model training time by 81% from non-distributed to distributed environment.

Software Engineer — **Tata Consultancy Services** — **Dec 2012 - Jun 2015**

- Worked on enhancement project for Data analytics tool. Created reporting and visualization tool.Worked on system building, project documentation, worked prototyping for new generation technologies.
- Automated report generation, monthly dashboard, and analytical processes for team. Used Java, Adobe Flash and MySQL server.
- Reduced manual workload by 10-15 hours monthly. Project used among global team members.

EDUCATION

Orlando, FL — **University of Central Florida** — **Aug 2015 – May 2017**

- Masters of Science in Computer Engineering, May 2017.
- MOOC Coursework: Machine Learning - Coursera; DataCamp Data Science Specialization; Matlab Programming - Coursera; Java Programming - edX; Python Programming – Coursera.

TECHNICAL EXPERIENCE

Projects

- **Dynamic Toll Pricing** (2017) Created dynamic toll pricing model for forecasting variable toll rates for traffic load balance. Used florida traffic data. Used python and Microstrategy platform for the visualization.
- **Predictive Analytic** (2016). Created forecasting model using RNNs and Keras (Tensor Flow) for time-series data; performed grid search for hyper-parameter tuning to achieve good score on LSTM and GRU; reduced RMSE by 21% over traditional ARIMA model.
- **Kaggle House Price** (2016). Ensemble model of Lasso Regularization and XGBoost; secure a rank of 142 out of 2249 (top 7%).

Programming Skills

- Python, Java, R, SQL, No-SQL, MATLAB, Hadoop, Spark, Hive, PIG
- Google Cloud, AWS, Azure, Tensor Flow, Sci-kit learn, Keras
- Microstrategy, Tableau , SAS