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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.
- 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

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

- Worked on Energy forecasting project using Deep Learning. Tested model on historical data of National Renewable Energy Laboratory.
- Used TensorFlow to implement RNN models to forecast time series models. Achieved 7% accuracy improvement over traditional systems

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

- Implemented large-scale deep learning model on Supercomputer and GPU cluster on distributed environment.
- 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.

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

- Worked on enhancement project for Data analytics tool. Created reporting and visualization tool.
- 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. GPA: 3.625
- Graduate Coursework: Machine Learning; Natural Language Processing; Genetic Algorithm; Innovation Engineering; Autonomous Robotics; Data Intensive Computing; Independent Study; Malware and Vulnerability analysis
- MOOC Coursework: Machine Learning - Coursera; DataCamp Data Science Specialization; Matlab Programming - Coursera; Java Programming - edX; Python Programming – Coursera.

TECHNICAL EXPERIENCE

Projects

- **Deep Forecaster** (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.
- **Tex Rank** (2015 – 2016). Text summarization using Tex Rank algorithm with 2000 document and 400 human summaries. Obtained result with high Rouge Score. (Python2.7, Scikit Learn,Rouge toolkit, Stanford NLTK library).
- **Kaggle House Price** (2016). Ensemble model of Lasso Regularization and XGBoost; secure a rank of 142 out of 2249 (top 7%).

ADDITIONAL EXPERIENCE AND AWARDS

- **Awards** (2015)**:** Recognized with "Technical Excellency", "Star Team", "Best Team" awards at Tata Const. Services

Programming Skills

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