Orlando, FL 32826
www.linkedin.com/in/rohan3

ROHAN SINGH RAJPUT

rohan_rajput2804@knights.ucf.edu

(321) 310 3620
https://rohan0401.github.io

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.
- 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. Used Microsoft Azure Machine Learning Platform for training.

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. 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 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.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. 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%).

Programming Skills

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