Jathin Dhulipalla

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https://jathinjd.github.io/me | https://github.com/jathinjd

EDUCATION

Texas A&M University, Mays Business School College Station, Texas
Master of Science in Management Information Systems May 2020
Coursework: Analysis of Algorithms, Adv. Data Management (NoSQL), Engineering Data Analysis (ML), IS Design and Development Project (Web Dev, HCI), Adv. Systems Analysis and Design (UML, Agile), Data Warehousing

Birla Institute of Technology and Science, Pilani Hyderabad, India
Bachelor of Engineering in Mechanical Engineering and Master of Science in Physics July 2017

TECHNICAL SKILLS

Languages: Java, JavaScript, R, SQL, Python
Database: MySQL, SQL Server, MongoDB, MariaDB
Web: React, Redux, JSX, SQLite, Express.js, HTML, CSS, REST, Flask, Node.js
Cloud: AWS, HBase, Apache Spark, MapReduce
Tools: Visual Studio Code, Tableau, Office, Git
Other: Agile, Scrum, RPA, Jira, UML, Project Mgmt., Version Control, Responsive Web Design

PROJECTS

Spoons & Ladles: Web Application *React, Redux, JavaScript, AWS, HCI, HTML, CSS*
- Full Stack Web Application created with React.js and redux that looks up recipes based on selected ingredients
- Features HCI design elements with SQL database hosted on AWS and backend deployed on Spring framework

Twitter Analysis: Bigdata and Cloud *Hadoop, MapReduce, Java, HBase, Spark, Scala*
- Implementing high performance, fault-tolerant web service on AWS EC2 clusters for 1TB of twitter data, serving read queries through database replication, and schema design
- Performing ETL with Apache Spark, and Scala using horizontal scaling on HBase for improved performance

Library Analysis Application *AWS, MariaDB, Flask, Python, Bootstrap, MongoDB*
- Performed ETL on over 25 GB data and built a web application with customized APIs using Flask framework
- Migrated Seattle Library database on AWS from MariaDB - Galera cluster to MongoDB for faster queries

CIFAR 10 – Image Classification *R, Unsupervised & Supervised Learning, Validation Set*
- Performed data pre-processing with Principal Component Analysis to identify features that explain 95% variance
- Trained dataset with different ML models and used the validation set approach to achieve 52% accuracy with QDA

Random Graph Generation and Maximum Bandwidth Paths *Java, Data Structures, Algorithms*
- Developed algorithms for generating dense (20% adjacency) and sparse (average degree of 6) graphs of 5000 vertices
- Generated maximum bandwidth paths using Dijkstra's and Kruskal's algorithms, and optimized time complexity

EXPERIENCE

TriNet Reno, Nevada
Automation Intern June 2019 – August 2019
- Programmed Automation Anywhere bot for Benefits Analysis team which saved 48 person-hours each day
- Optimized case triage assignment and generated workflows suitable for automation that could save $150,000 a year

Gap Inc. Hyderabad, India
Network Support Engineer July 2017 – May 2018
- Developed a JavaScript application to generate frequently used message templates to ensure faster and effective communication with multiple stakeholders for Level 2 IT Operations team
- Configured, managed, and monitored hub and spoke model routing and switching devices for N. America region
- Analyzed Gap data with SQL and Tableau to spot return trends and propose solutions to reduce 11% revenue loss

ACHIEVEMENTS & ACTIVITIES

- Directed team effort to finish 2nd in Dell CMIS Case Competition and 3rd in MIS Keystones Case Competition
- Offered Graduate Assistant scholarship worth USD 14,000 for two consecutive years by INFO Department