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EDUCATION

Master of Science in Computer Science August 2015 – May 2017
University of Florida, Gainesville, FL

Bachelor of Engineering in Electronics and Telecommunication August 2008 – June 2012
University of Mumbai, Mumbai, India

SKILLS

Programming Languages: Java, Python, Linux Shell scripting, C++, R, Matlab
Database: Teradata, Oracle PL/SQL, MySQL, InfluxDB, MongoDB, Cassandra, Apache Hive, Amazon DynamoDB
Tools: Tableau, IBM Cognos, Microsoft BI, SAP BusinessObjects, Informatica, Apache Spark, Docker, Junit, Git

WORK EXPERIENCE

The MathWorks Inc., Natick, MA January 2017 – May 2017
Software Engineering Intern

- Coordinated with the Engineering, QE, and Usability team for development of Matlab Online
- Performed data analysis, application development and hands-on testing, developed automated test suites, debugged test failures, verified bug fixes and collected metrics
- Deployed Docker containers over Amazon AWS and performed migration of databases to handle scalability

Apple Inc., Cupertino, CA May 2016 – August 2016
Data Engineer Intern

- Engaged in the Data Engineering and Business Intelligence domain for global Market Sales Analytics
- Analyzed data, performed data modelling, designed data warehouse, optimized to handle huge volume of data, and built reports for Sales forecasting
- Used tools such as Tableau, Teradata and R for data analysis and forecast modeling

Infosys Ltd., Pune, India June 2013 – July 2015
Software Development Engineer

- Designed and developed the data warehouse using OLAP DBMS such as Teradata and Oracle
- Led the development of the staging, transformation and presentation database, to optimize performance of the data warehouse and reduce latency
- Developed business reports for clients using reporting solutions like IBM Cognos and SAP BusinessObjects, and analyzed Cube using Microsoft SSAS
- Performed Unit Testing on the developed components

PROJECTS

Container Metrics Monitoring, The MathWorks Inc. March 2017 – April 2017

- Developed an analytics and reporting system, which collects metrics from Docker Containers in Amazon AWS and stores them in persistence layer.
- Engineered a data pipeline using Java, InfluxDB and Grafana along with other technologies

Market Reporting, Apple Inc. May 2016 – August 2016

- Performed data modeling and designed data warehouse for campaign reporting using Teradata; reporting done using Tableau to serve as a front-end for analysts
- Created an Automation solution using shell scripts and cron jobs to automate tasks such as mail and procedure runs
- Programmed a forecasting model using R and reporting on Tableau for predictive analytics

Deep Learning Classifier, University of Florida February 2016 – April 2016

- Executed Deep learning classifiers to classify data from four different datasets. Output with the average of 96% accuracy was obtained. Algorithms implemented were Multilayer Perceptron and Recurrent Neural Network
- Devised a neural network to classify images and identify vocal emotions using CNN and Multilayer Perceptron
- Implemented Classifiers using TensorFlow library in Python

GOSAP VDW, Infosys Ltd. March 2015 – July 2015

- Designed the transformation and semantic layer data warehouse, over which the entire reporting layer was built. Data warehouse was developed on Teradata. Tested the data warehouse for data consistency
- Synthesized a cube and performed cube analysis on it using Microsoft SSAS and delivered reports in IBM Cognos
- Performed ETL operations to move data from Staging to Transformation to Presentation layer and do data cleansing