Varun Pius Felix Rodrigues

352-484-6730 LinkedIn: www.linkedin.com/in/vpiusr 3134 Mauricia Ave,
varunpius@ufl.edu Website: varunpius.github.io Santa Clara, CA - 95051.

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, C++, Linux Shell scripting (Bash), 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

Wellington Management, Boston, MA July 2017 – Present
Python Developer
- Collected data through Web scrapping and other data collection techniques from varied data sources on the web
- Built data pipelines to format unstructured data into structured data and push to Amazon S3
- Implemented a serverless system to be triggered through Amazon Lambda to run ETL frameworks developed on Python
- Synthesized a framework for data analysis so that data collected could be used by analysts to make investment decisions

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
- Performed forecast modelling and data analysis using tools such as Tableau, Teradata and R

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 as well as performed Unit Testing

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