

Varun Pius Felix Rodrigues

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EDUCATION

Master of Science in Computer Science University of Florida, Gainesville, FL	August 2015 – May 2017
Bachelor of Engineering in Electronics and Telecommunication University of Mumbai, Mumbai, India	August 2008 – June 2012

SKILLS

Programming Languages: Java, Python, Flask, Scala, Linux Shell scripting (Bash), C++, Matlab
Database: Teradata, Oracle PL/SQL, MySQL, InfluxDB, MongoDB, Cassandra, Apache Hive, Redis, DynamoDB, Apache Spark
Tools: Tableau, IBM Cognos, Microsoft BI, SAP BusinessObjects, Informatica, Amazon Web Services (AWS), Docker, Git

WORK EXPERIENCE

Wellington Management , Boston, MA Python Developer	July 2017 – Present
<ul style="list-style-type: none">Collected data through RESTful APIs and other data collection techniques from varied data sources employing financial analyticsBuilt data pipelines to format unstructured data into structured data and push to Amazon S3Implemented a serverless system to be triggered through Amazon Lambda to run ETL frameworks developed on PythonSynthesized a data analysis framework for algorithmic trading using Pandas and Numpy	
The MathWorks Inc. , Natick, MA Software Engineering Intern	January 2017 – May 2017
<ul style="list-style-type: none">Coordinated with the Engineering, QE, and Usability team for development of Matlab OnlinePerformed data analysis, application development and hands-on testing, developed automated test suites, debugged test failures, verified bug fixes and collected metricsDeployed Docker containers over Amazon AWS and performed migration of databases to handle scalability	
Apple Inc. , Cupertino, CA Data Engineer Intern	May 2016 – August 2016
<ul style="list-style-type: none">Engaged in the Data Engineering and Business Intelligence domain for global Market Sales AnalyticsAnalyzed data, performed data modelling, designed data warehouse, optimized to handle huge volume of data, and built reports for Sales forecastingPerformed forecast modelling and data analysis using tools such as Tableau, Teradata and R	
Infosys Ltd. , Pune, India Software Development Engineer	June 2013 – July 2015
<ul style="list-style-type: none">Designed and developed the data warehouse using OLAP DBMS such as Teradata and OracleLed the development of the staging, transformation and presentation database, to optimize performance of the data warehouse and reduce latencyDeveloped 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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Performed data modeling and designed data warehouse for campaign reporting using Teradata; reporting done using Tableau to serve as a front-end for analystsCreated an Automation solution using shell scripts and cron jobs to automate tasks such as mail and procedure runsProgrammed a forecasting model using R and reporting on Tableau for predictive analytics	
Deep Learning Classifier , University of Florida	February 2016 – April 2016
<ul style="list-style-type: none">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 NetworkDevised a neural network to classify images and identify vocal emotions using CNN and Multilayer PerceptronImplemented Classifiers using TensorFlow library in Python	