Varun Pius Felix Rodrigues

352-484-6730 | LinkedIn: www.linkedin.com/in/vpiusr | 3800 SW 20th Avenue, Apt no. 503,
varunpius@ufl.edu | Website: varunpius.github.io | Gainesville, FL – 32607.

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, Microsoft SQL Server, MongoDB, Cassandra, Apache Hive
Tools: Tableau, IBM Cognos, Microsoft BI, SAP BusinessObjects, Informatica, Apache Spark
Certifications: SUN certified Advanced Java Web Developer (J2EE), Cisco Certified Network Associate (CCNA)

WORK EXPERIENCE

Database Intern, Apple Inc., Cupertino, CA May 2016 – August 2016

- Working in the Data Engineering and Business Intelligence domain for Apple
- Working on data modelling, and data warehouse design and optimization to handle huge volume of data and build reporting solutions over this data warehouse
- Working on tools such as Tableau, Teradata and R for data analysis and forecast modeling

Systems Engineer, Infosys Ltd., Bhubaneswar/Pune, India June 2013 – July 2015

- Responsible for the design and development of data warehouse using OLAP DBMS such as Teradata and Oracle
- Led the design of the staging and transformation database, and the development of staging, transformation and presentation database
- Designed and delivered business reports for clients using reporting solutions like IBM Cognos and SAP BusinessObjects and designed and performed Cube analysis using Microsoft SSAS
- Performed Unit Testing on the developed components

PROJECTS

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
- Developed Automation solution using shell scripts and cron jobs to automate tasks such as mail and procedure runs
- Designed forecasting model using R and reporting on Tableau for predictive analytics

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

- Developed 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
- Classifiers developed using TensorFlow library in Python

GOSAP VDW, Infosys Ltd. March 2015 – July 2015

- Developed 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
- Developed 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

Vocal Emotion Recognition, University of Mumbai October 2011 – April 2012

- Designed and developed a neural network system, which identifies the emotions of the person when he/she speaks into the system using Backpropagation Algorithm
- Co-authored a research paper 'MFCC-based Vocal Emotion Recognition Using ANN' based on the project

PUBLICATIONS

MFCC-based Vocal Emotion Recognition Using ANN September 2012
At International Conference on Electronics Engineering and Informatics, Phuket, Thailand