Harini Booravalli Suresh

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Areas of Expertise:

- Machine Learning
- Data Science
- Data Analysis
- Project Management
- Data cleaning
- Data Modeling
- Data Manipulation
- Text Analysis
- Big Data

EDUCATION

Master of Science in Computer Science -| University of North Carolina at Greensboro, 2019, GPA-3.81
Bachelor of Engineering, Electrical & Electronics | Visvesvaraya Technological University, 2012,GPA-3.3

SKILLS & TECHNICAL SUMMARY:

- Statistics & Visualization Software:R Studio, Tableau, Anaconda, Jupyter notebook
- ML Libraries: Pandas, NumPy, SciKit Learn, SciPy, Matplotlib, dplyr, ggplot2,GenSim,NLP
- Programming Languages: C++,Oracle, MySQL, R Programming, Python,, Linux, Apache Spark
- Statistical Methods: Forecasting, Time series, Hypothesis Testing, Classification, Clustering, Regression Analysis, Machine Learning Algorithms
- Soft Skills:Team Player.Effective Communicator,Problem Solver

PUBLICATIONS

Coauthor of "Protecting fMRI data from unforeseen privacy attacks in a distributed machine learning environment"

CERTIFICATIONS

C Certification, NIIT | Oracle.1Z0-051 & Oracle Database 11G: SQL Fundamentals Certification

EXPERIENCE HIGHLIGHTS

UNIVERSITY OF NORTH CAROLINA AT GREENSBORO, Greensboro, NC, 2018 – 2019

Topic Modeling on Podcasts

Implemented Python Libraries - Pandas, Numpy, Matplotlib, Scikit,gensim, Google speech to text API and RSS API. Used RSS API to download the audio of podcasts, Utilized Google Speech to Text API to convert the audio to text.)Developed python scripts to automate the downloading process and uploading the audio to Google bucket.Explored machine learning models to find hidden topics in podcast data,LSA and LDA models applied on the data.

Predicting Co-annotations using Data Mining & Semantic Similarity

Predicted co-annotations between gene ontology terms through application of data mining concepts.

Big Data Analytics for Claims Management

Performed Exploratory Data Analysis on claim records and its 2.5 M transaction records. Visualized the results in Tableau and created Regression models

IBM INDIA PVT, LTD., India, 2012 – 2015

Associate Systems Engineer

This is a web-based project. The main purpose of this project is to set up disputes on faulty transactions.

Responsibilities:

. Proactive maintenance of web-based applications, to include creation of utilities to enhance and validate applications.

. Worked in cross-disciplinary functions to enable teams to fulfill corresponding service-level agreements (SLA). Improved functionality through code testing and bug fixing.

. Gather the performance of the application such as Response Time ,Throughput, Batch,Completion Time and analyse the data.

. Used statistical modelling and data mining concepts to analyse performance data of application.

. Creation of utilities in Python to enhance and validate applications.

. Played a pivotal role in major code changes and participated in knowledge-sharing processes.