

Aravind Kumar Sankara Narayanan

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EDUCATION

University of Central Florida

Master of Science-Data Analytics

GPA: 3.9/4.0

Orlando, FL
December 2020

Anna University

Bachelor of Engineering, Computer Science and Engineering

GPA: 3.0/4.0

India
April 2015

SKILLS & ACCOMPLISHMENTS

Languages	Python ,R,SQL, Java, SAS, Scala, Javascript,HTML, CSS
Machine Learning and Visualization	Scikit-learn,Matplotlib,Numpy,Tensorflow, Shiny,Spark,D3.js
Frameworks	Robot,Django,Apache Spark
Tools and Platforms	AWS,Tableau,PowerBI,Microsoft Excel,Selenium, SOAPUI

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Developer Associate
AWS Certified Solutions Architect Associate
Certification Of Appreciation at T-Mobile All Hands Meet for best performance
Business English Certificate Vantage Certified

WORK EXPERIENCE

Wipro Limited , State Street Project

Python/AWS Developer

Bangalore, India
May 2018 – July 2019

- Responsible for developing, maintaining and deploying web applications using Django,Python,MySQL
- Developed REST APIs using Django's view controller thereby managed URLs and application parameters
- Used Amazon Elastic Bean Stalk with Amazon EC2 to deploy applications in AWS
- Extensively worked on CI/CD pipeline for code deployment using Code Pipeline to orchestrate the process from development to deployment.

Wipro Limited, T-Mobile Project

Python Developer

Bangalore, India
January 2016 – May 2018

- Automation of core network nodes and Application network nodes for E2E T-Mobile Lab Production Network
- Responsible for automating mobile applications and API testing to capture network packets for both Android and IOS devices.
- Performed regression testing for about 500 testcases to ensure quality assurance thereby improved the test efficiency to 98% for every successful Jobs ran on QA framework TESLA
- Combine multiple testcases together using multi threaded concepts to ensure code optimization and reusability which improves the performance of testcases by reducing the test run time up to 50%

ACADEMIC PROJECTS

Image Classification with CNN Model : Developed a Deep learning model with Convolution Neural Networks using TensorFlow to classify the types of clothing based on images using probability distribution function cross entropy. Achieved 98% model accuracy by hyper tuning parameters such as learning rate, number of layers and neurons.

Ecommerce Recommendation System : Developed a supervised machine learning model using Light FM algorithm to build a recommendation system for customers based on item based collaborative filtering. Achieved 90% of AUC score after hypetuning and precision score of top three recommended items 44% relevant to the user.

Comparison Of Global Pandemics using Shiny Dashboard : Developed an interactive dashboard using R, Plotly and Shiny package that compares the affected rate between two major pandemics COVID 19 and SARS by normalizing the data and gained insights through different visualizations.

Business Intelligence Dashboard using AWS : Demonstrated POC on AWS services by streaming large data into AWS S3, further developed business intelligence solutions using AWS Quick Sight for visualizing purposes and monitored metrics using AWS CloudWatch.

Customer Segmentation using RFM variables : Developed unsupervised machine learning model using K means clustering to segment the best and least favorite customers using Recency, Frequency and Monetary Data.