

Sai Srujan Reddy Vontary

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Summary:

Data Scientist passionate about developing advanced analytics solutions for improving business value and profitability, with expertise in data analysis and statistical model building tools like Python, R, Spark, Hive and Tableau. Motivated to maximize company potential while developing additional knowledge and abilities using leadership, critical thinking, and teamwork skills

SKILLS AND INTERESTS:

PROGRAMMING LANGUAGES: Python, R, C, C++, C#, SAP ABAP, Spark, Hive, Impala

IDE: Visual Studio, Jupyter, Spyder, RStudio, PyCharm

TOOLS AND TECHNOLOGIES: JavaScript, HTML, My SQL, Tableau, Power BI, Cassandra, Mongo DB, Cloudera

CERTIFICATIONS: Data Analytics Tools, Python Data Analytics

Education:

UNIVERSITY OF SOUTH FLORIDA, TAMPA

M.S. in Business Analytics and Information Systems

Jan 2021 - Aug 2022

GPA: 3.8/4.0

OSMANIA UNIVERSITY

B.E. in Civil Engineering

Aug 2011 - May 2015

GPA: 3.6/4.0

COURSEWORK:

Analytical Methods for Business, Data Visualization, Distributed Information Systems, Data Science Programming, Advance Database Management, Data Mining, Big Data for Business, Information Security Science

EXPERIENCE:

UNIVERSITY OF SOUTH FLORIDA

Aug 2021 - Present

Graduate Teaching Assistant

- Trained students to make informed decisions based on data by implementing quantitative analytical tools using statistical methods, perform data visualizations using Tableau and Power BI, create interactive web pages with HTML, CSS

INNOCORE SOLUTIONS INC

Oct 2017 - Oct 2020

Business Analyst

- Built a **Defect Tracking and Resolution Tool**, to ensure Timely Completion of projects in line with the budget.
- Performed **Predictive Analytics** for Smart Bidding, Risk Management, and Pricing **increasing the profit by 34%**
- Performed market research and built project plans to merge the customer needs with business requirements, budgetary restrictions, and considerations to fulfill project deliverables (implemented Agile and Waterfall Methodologies)
- Implemented intensive social media marketing strategy to **increase website traffic by 32%**, over a 3-month period.
- Implemented **ERP** solutions across functionalities managing the firm's financial accounting, and procurement requirements
- Developed solutions to automate of hospital appointment booking and send emails, reducing human involvement by 40%

ACCENTURE

Jul 2015 - Sep 2017

Software Engineer Analyst

- Built an application to automate the scoring mechanism in Microsoft vendor credit management system for credit score calculations to assign credit to vendors, reducing the operational costs, **increasing productivity by 70%**
- Performed data validation to ensure accuracy and discover inconsistencies in the data, performed data cleansing, quality checks, and implemented safeguards to improve the data quality
- Developed a chat bot application to offer solutions and create tickets for customer queries **reducing the call volume by 75%**
- Created visually appealing and interactive data visualizations of complex data sets, drew conclusions, and relationships to develop actionable recommendations to drive action within the business

PROJECTS:

Face Recognition: (Python with Open CV, dlib, pandas, keras, numpy)

- Built a model to create dataset capturing a set of images and saving them in folders named after the person in the frame
- Built a **categorical classification model** to map each face with a unique ID for better prediction.
- Built a **Deep Learning CNN Model** to train the model and predict the given image to display the name of the person identified with a **97%** accuracy

Flight Delay Prediction: (Visio, SQL, Cloudera, Spark, Tableau and Power BI)

- Performed data cleansing and validation, analyzed the flight delay trend by **K Means Clustering**
- Implemented **Naïve Bayes, Logistic and Linear Regression models** to identify key factors to **reduce flight delays by 30%**

Prediction of Cardiovascular Disease: (MS Azure ML, Oracle SQL, Tableau and Power BI)

- Implemented Machine Learning methods for identifying factors to reduce the risk of a patient getting a cardiac disease
- Built **Interactive Visualization** of data and results for pictorial representation of the ML prediction