POREDDY SUDHEER KUMAR REDDY

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PROFILE

Data Scientist with 4+ years of experience in python, R, SQL, Flask. Developed end-to-end machine learning models, Built Flask APIs to publish machine learning models. Worked on web scraping for data collection. Developed prototypes for medical image classification with deep learning.

EXPERIENCE

Mar 2021-present

Analyst, Deloitte

Working on automating clinical trials report using machine learning classification and data engineering

Responsible for Data wrangling, Model building

Used Python, AWS Lambda, Machine Learning, SQL

Dec 2020-Mar 2021

Data Analyst, Geoiq.io

Worked on various projects including Web scraping, Geo spatial analytics and predictive analytics

Responsible for Data collection from various sites using web scraping, Processing, aggregating and storing data

Used Python, SQL, Web scraping

Mar 2018-May 2020

Data Scientist, Brontobyte Analytics

Worked on various projects including Retail Analytics, Machine Learning, Predictive Analytics, chatbots, Deep learning for computer vision

Responsible for Data collection, preprocessing, model building, model validation and model deployment using API

Used Python, R, SQL, Python machine learning and deep learning libraries and Flask

Sep 2017-Nov 2017

Data Science Research Intern, Tech Mahindra

Worked on customer behavior analytics for an Online Education Tech company

Used various machine learning techniques including Logistic Regression, Linear Regression and Forecasting to predict the user turn-out probability and future revenue generation

KEY SKILLS

- Python, R, SQL
- Machine Learning, Deep Learning
- Flask, Web scraping
- Probability and statistics

ACHEIVEMENTS

- INSOFE scholarship for being one of the top performers in the course.
- Secured Rank 1 in Monsoon Credit Tech Hiring Hackathon.
- Organized first international triangular cricket series for physically challenged.

PROJECTS

Retail Analytics

- Aim is to Segment and Score customers based on the purchase patterns for a retail client to design customer specific promotions
- Used clustering to segment customers based on their purchasing patterns
- Used a mixed model of Linear and Logistic Regression to assign score to each unique customer
- Techniques used: Clustering, Linear Regression, Logistic Regression, Forecasting, Association Rules

Mammogram Image Classification

- Aim is to classify the mammography images as Benign or Malignant
- To help radiologists to make better and quick decisions
- Techniques: CNN, transfer learning, Autoencoders, Gradcam
- Tool: Python, Keras, Deep Learning

Production Optimization

- Objective of the project is to reduce the wastage of beverage bottles produced in Hindustan Coca-Cola Beverages
- Techniques used: Statistical T-test, Flask

EDUCATION

2017: PGP in Data Science

INSOFE, Hyderabad

Trained extensively on on Various machine learning and deep learning techniques like **Linear Regression, Logistic Regression, KNN,Decision Trees, Random Forests, Gradient Boosting, Clustering, Association Rules, MLP, CNN, RNN** and **Probability and Statistics.**

Received a scholarship for being one of the top performers in the course

2012-2016: B.Tech Mechanical Engineering

TKR College of Engineering and Technology