

ROOPAVATHY THATIPARTHI

tl.roopavathy@googlemail.com | 8589526517

San Diego, CA 92129

WWW: [Bold Profile](#)

WEBSITE, PORTFOLIO, PROFILES

- <https://github.com/RoopaRaghav/>
- www.linkedin.com/in/roopavathy-tl
- https://rooparaghav.github.io/Roopa_Portfolio/

EDUCATION

University of California - San Diego - La Jolla, CA 01/2023

UCSD Bootcamp: Data Science And Visualisations

NBKR Institute of Engineering - Nellore, India 04/2007

Bachelor of Science

PROFESSIONAL SUMMARY

To seek and maintain full-time position as Data Engineer that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills. Detail-oriented, organized and meticulous employee. Works at fast pace to meet tight deadlines. Enthusiastic team player ready to contribute to company success. Authorized to work in the US for any employer

SKILLS

- Python
- Tableau
- Big Data
- AWS - RDS
- Machine Learning
- SQL
- Git
- JavaScript

PROFESSIONAL EXPERIENCE

Women Well Being Analysis | UCSD Boot Camp Final Project - San Diego, CA

12/2022 - 01/2023

- Responded to technical concerns quickly and effectively devised solutions.
- Monitored project progress, ensuring conformance to design specifications and safety standards.
- Managed project documents and followed industry standards.

Description: Performed analysis on women well being in 52 countries considering the major indicators like Education, Domestic violence, age, fertility and health.

Role: Developed and designed the database pipeline using the AWS RDS/ Postgres SQL free tier architecture and created a pipeline for the ETL and machine learning analysis for tableau stories.

Technologies Used: Python, AWS-RDS, PgAdmin, Clustering algorithms, Tableau.

GIT Repo: <https://github.com/RoopaRaghav/FinalProject>

Credit Risk Analysis | UCSD Boot Camp - San Diego, CA 09/2022 - 01/2023

Description: Supervised Machine Learning using different linear and logistic regression algorithms on unbalanced classification problem like Credit Risk analysis.

Role: Performed ETL on Credit card dataset and cleaned data for machine learning models. Created different Supervised ML models to compare and contrast based on accuracy score and summarized best one that suits credit risk analysis.

Technologies Used: Python, Imbalanced-learn, Scikit learn, Linear regression and logistic regression models, GIT

GIT Repo: https://github.com/RoopaRaghav/Credit_Risk_Analysis

Cryptocurrencies | UCSD Bootcamp - San Diego, CA 09/2022 - 01/2023

Description: Unsupervised Machine Learning using clustering algorithms and developed this project.

Role: Developed Unsupervised machine learning model for vast dataset of Cryptocurrencies that places cryptocurrencies in clusters. Scaled and fit data and performed PCA analysis for feature engineering before data is fit to ML model. Created visualizations using Plotly for model outcome and summarized tradable cryptocurrencies from dataset.

Technologies Used: Python, Scikit learn, K-Means Clustering algorithms, GIT

GIT Repo: <https://github.com/RoopaRaghav/Cryptocurrencies>

Credit Card Analysis

Amazon Vine Analysis | UCSD Bootcamp - San Diego, CA 09/2022 - 01/2023

Description: Used PySpark to perform ETL process, connected to AWS RDS instance, and load transformed data into pgAdmin.

Role: Developed end-end database pipeline and performed ETL on amazon vine dataset and populated required tables in PostgreSQL.

Technologies Used: Python, AWS- RDS, PgAdmin, PostgreSQL, GIT

GIT Repo: https://github.com/RoopaRaghav/Amazon_Vine_Analysis

CERTIFICATIONS

- Data Science and Visualisations Bootcamp Certificate: UCSD Extended Studies, Sandiego, CA