

ARAVIND RAJU

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EDUCATION

Yeshiva University, Katz School of Science and Health

Master of Science in Data Analytics and Visualization

Relevant coursework: Data Science, Statistics, Machine Learning

New York, NY

Expected on January 2025

International Institute of Information Technology Bangalore

Post Graduate Program in Data Science with Specialization in Deep Learning

Relevant coursework: Data Science, Machine Learning, SQL, Data Analytics

Bangalore, India

August 2023

SKILLS

Scripting Languages - SQL, Python, R, MySQL, PostgreSQL

Libraries - numpy, pandas, NLTK, tensorflow, Scikit-learn, Seaborn, XGBoost, scikit-learn, keras, LSTMS, RNN, CNN, NLP, Pytorch

Technical Tools - AWS Glue, Athena, RDS, S3, EC2, Lambda Functions

BI Tools - Tableau, Power BI, Excel

Soft Skills – Effective Conveying of Ideas, Adept at identifying multiple pathways to overcome challenges, ensuring tasks are completed efficiently and great attention to details

CERTIFICATION

AWS Certified Cloud Practitioner

DeepLearning.AI TensorFlow Developer Professional Certificate

WORK EXPERIENCE

Data Analyst

Green Heights Ventures & Hospitality Pvt. Ltd.

Kerala, India

December 2021 - November 2022

- Reduced fund requirements by 10% through strategic actions in food procurement aligned with customer demands, resulting in a substantial decrease in food waste and the streamlined optimization of processes
- Worked collaboratively with stakeholders to enhance and automate data collection processes
- Continuously expanded my Excel, SQL knowledge and Python skills through online courses and internal training sessions

PROJECTS

ML model for the classification of Rarity of Near-Earth Objects

- Utilized NASA CNEOS dataset for NEOs with 17000 observations and 8 features
- Engineered new features and performed feature selection using techniques like PCA and Mutual Information Regression
- Successfully developed model with an accuracy and F-1 score of 0.92
- Link <https://github.com/aravindraju98/Data-Science-Project-Rarity-of-Near-Earth-Object-NEO-Close-Approaches-to-Earth>

Cloud-Based Data Warehouse Deployment on AWS

- Built a scalable data analytics platform on AWS, integrating real-time NYPD and NYC event data via APIs and CSVs
- Used Python and SQL for ETL, optimizing data structure with meticulous attention to detail
- Developed ETL with AWS Glue, automated triggers with Lambda, and designed a star schema on Amazon RDS.
- Link to the Project : <https://github.com/aravindraju98/ny-complaints-dwh-cloud>

Local Deployment of a Disease-Centric Database and Data Warehouse

- Led the creation of a PostgreSQL disease database with 50,000+ records, ensuring data integrity
- Engineered ETL processes for seamless OLTP to OLAP data transfer
- Developed 6-dimension tables with 30+ attributes and 3 fact tables for comprehensive disease analysis
- Link to the Project: https://github.com/aravindraju98/SQL-Disease_model

Developed a sentiment analysis model using NLP and Naive Bayes

- Built a Naïve Bayes and NLP-based ML model to classify movie review sentiment using 1,000 positive and 1,000 negative labelled reviews.
- Link to the project: <https://github.com/aravindraju98/Naive-Bayes-Sentiment-Analysis>

Other Projects: <https://github.com/aravindraju98>