Rambabu Karravula

Data Science

My Contact

karravularambabu@gmail.com

9848686433

Visakhapatnam, AP, IND

www.linkedin.com/in/rambabukarravula

Hard Skill

- Programming: Python, C.
- OS: Windows, Linux.
- Database: SQL, NoSQL.
- Domains: Data Science, Machine Learning, Deep Learning.
- Cloud Computing: AWS
- Tools: MS Office, Power BI, Git, GitHub, Dockers, Spark.

Soft Skill

- Time Management
- Problem Solving
- Teamwork
- Adaptability
- Flexibility
- Multi-tasking

Education Background

- Gitam University
  Masters in Data Science
  Completed in 2024
- Sri Harshini UG and PG College
  BSc's (Computer Science)
  Completed in 2021

About Me

"Driven Data Scientist with a strong educational background in MSC (Data Science) and a passion for transforming raw data into actionable insights. Seekinga challenging role at an innovative company where I can apply my programming skills inPython, along with my expertise in data analysis, to drive business growth and success through data-driven decision-making."

Aademic Project

Advance Malware Detection Using ML and DL Techniques

- Developed a sophisticated system leveraging Machine Learning (ML) and Deep Learning (DL) algorithms to detect and mitigate advanced malware threats.
- Employed various ML algorithms such as Random Forest, Support Vector Machines (SVM), and Gradient Boosting Machines (GBM) for feature extraction and classification.
- Implemented Deep Learning models including Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs) to analyze malware behavior patterns and identify potential threats.

Personal Projects

Automated Data ETL Pipeline with Apache Airflow on AWS EC2

- Designed a scalable and fault-tolerant ETL architecture leveraging Apache Airflow's directed acyclic graph (DAG) scheduling capabilities.
- Utilized AWS EC2 instances for hosting the Apache Airflow orchestration engine and executing ETL tasks.
- Integrated AWS services such as Amazon S3 for data storage.

machine learning for telecom customer churn prediction

- Explored various machine learning algorithms such as Logistic Regression, Decision Trees, Random Forest, Support Vector Machines (SVM), and Gradient Boosting Machines (GBM) for churn prediction.
- Evaluated model performance using metrics like accuracy, precision, recall, F1-score, and area under the ROC curve (AUC).
- Utilized techniques like cross-validation and hyperparameter tuning to optimize model performance and generalization.