Rambabu Karravula

9848686433| karravularambabu@gmail.com|
https://www.linkedin.com/in/rambabukarravula|
https://github.com/RambabuKarravula

Objective:

Highly motivated recent graduate eager to learn and contribute as a Data Analyst, Data Engineer, or DevOps Engineer. Possess strong analytical and problem-solving skills, with a foundational knowledge in programming languages, cloud computing technologies and data analysis techniques. Passionate about continuous learning and committed to applying my skills to support efficient data-driven decision-making.

Technical Skills:

Domains: Data Science, Machine Learning, Deep Learning, Cloud Engineer, DevOps.
Programming Languages: Python, C.
Databases: MySQL, MongoDB.
Tools & IDEs: Git, Docker, Visual Studio Code, Power BI, MS Office, Jenkins, Ansible, Kubernetes, Jira.
Operating Systems: Windows, Linux

Soft Skills

Time management
Flexibility
Adaptability
Multi-tasking

Education:

MSc in Data Science
GITAM University, Visakhapatnam, Andhra Pradesh
Graduation: March, 2024

Projects:

Project Title: Advanced Malware Detection Using ML and DL Techniques.
Description: 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) 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.

Project Title: Automated Data ETL Pipeline with Apache Airflow on AWS EC2.
Description: 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 patterns and identify potential threats.

Project Title: <u>machine learning for telecom customer churn prediction.</u>

Description: 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.