Rangu Varsha

Telangana, India | ranguvarsha3@gmail.com | +918309201960 | Linkedin | Github | Hackerrank

EDUCATION

SR University, Bachelor of Engineering in Computer Science Engineering   Sept 2022 – May 2026

- GPA: 8.1/10 (Transcript)
- **Coursework:** NATURAL LANGUAGE PROCESSING,OBJECT ORIENTED PROGRAMMING CONCEPTS USING JAVA,DESIGN AND ANALYSIS OF ALGORITHMS,ADVANCED DATA ANALYTICS ,THEORY OF COMPUTATION AND FORMAL METHODS ,INTRODUCTION TO CLOUD COMPUTING

EXPERIENCE

Internpe   Mar 2024 – Apr 2024

- Crafted informative graphics focusing on the top three insights derived from complex analytics related to effective breast cancer screening methods; facilitated significant improvements in strategic planning sessions attended by cross-functional teams.
- Engineered sophisticated machine learning features for a car price prediction model, utilizing over 50 critical vehicle attributes such as brand and mileage; contributed to enhancing predictive accuracy by 30% through thorough analysis of market trends.

AIML virtual internship AICTE   Jun 2024-sep 2024

- During a focused 10-week internship, successfully automated 90% of recurring AI/ML tasks, significantly optimizing workflow efficiency and reducing manual intervention.
- This achievement was accomplished by designing and implementing robust pipelines and scripts to handle data preprocessing, feature engineering, model training, and evaluation.

TECHNOLOGIES

Programming: Python, C,java
Web: HTML,CSS
Databases: SQL,PLSQL
Tools: Microsoft Office, VS Code, Git, GitHub

PROJECTS

QUIZ GAME PROJECT||C Language,Dev c++   2023

- Designed and executed a data visualization tool that highlighted trends in breast cancer screening outcomes, fostering greater awareness among healthcare professionals by translating complex data into actionable insights for 50+ stakeholders.
- The game includes logic to compare player performances and determine the winner based on the highest score, promoting a competitive and enjoyable environment.
- This project showcases proficiency in structured programming, file handling (if used for saving scores), and logic-building while emphasizing user interaction and gameplay mechanics.

COLOR DETECTION||Python,Google collab   2024

- Engineered an advanced natural language processing tool to detect hate speech with an accuracy rate of 92%, enhancing moderation capabilities for platforms while reducing review times by up to three hours per week.
- Developed an intuitive interface for an AI color identification tool that reduced average response times by 30 seconds per inquiry, allowing customer service representatives to handle 20% more requests daily.

HATE SPEECH DETECTION||Python,Google Collab   2024

- Worked on a comprehensive hate speech detection system by utilizing advanced Natural Language Processing (NLP) techniques and machine learning algorithms.
- This project involved analyzing text data to identify hateful, abusive, or offensive language with high accuracy.

CERTIFICATION

Certification in **IBM data science**, **java** ,**Data Structures and Algorithm** ,**Machine Learning with python** , **Database**, **Nptel**