K AKASH

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EDUCATION

MAHATMA GANDHI INSTITUTE OF TECHNOLOGY   Hyderabad, Telangana
Bachelor of Engineering   2020 - 2024
Computer Science and Engineering (AI & ML)
Cumulative GPA:7.3

SAI VEDA INSTITUTION   Hyderabad, Telangana
Intermediate   Jul 2018 – July 2020
Percentage:95

PRATIBHA RESIDENTIAL HIGH SCHOOL   Vikarabad,Telangana
CGPA:8.8

LEARNING EXPERIENCE

PHN TECHNOLOGY PVT, LTD.   Pune
Machine learning & data science with python intern   APR 2023 – Jun 2023
- Assist in developing and implementing machine learning models.
- Conduct exploratory data analysis to identify trends and pattern.
- Develop and maintain data visualizations and dashboards.

DEVOPS WORKSHOP
- Attended a One Week short term training program on DevOps.
- Organized by the college management.

PROJECTS

SMART CONTROL OF TRAFFIC LIGHTS
- Developed a real-time traffic management system using a custom-trained YOLO model and OpenCV for vehicle detection.
- Implemented dynamic signal switching algorithms based on traffic density, enhancing efficiency.
- Created a Pygame-based simulation to visualize and compare the system's performance with existing traffic control methods.

RENTAL PREDICTION OF BICYCLE SHARING SYSTEM
- Developed a predictive model for bicycle rentals using multiple regression algorithms, including Linear Regression, Ridge, ElasticNetCV, Decision Tree, Random Forest, Extra Trees, and Gradient Boosting.
- Conducted extensive data preprocessing and feature engineering to optimize model performance and ensure reliability.
- Selected the Random Forest Regressor for its superior performance, achieving high accuracy measured by RMSE and visualized prediction errors.
- Employed cross-validation for robust model evaluation.

SKILLS

- Programming Languages   C,Python,SQL,Basics Of Java
- Technical skills   Database Management,Jupyter,Visual Studio,Windows
- Other   Strong Communication Skills,Problem Solving,Team Work,Analytical Thinking

CERTIFICATIONS AND OTHER ACTIVITIES

Certifications & Training: Python Programming Certification (Udemy), SQL Certification(Oracle)
- Participating in recreational activities such as cricket and chess.
- In addition to my academic pursuits, I actively engage in extracurricular activities that showcase my diverse skill set and dedication. These activities not only enhance my personal growth but also demonstrate my commitment to a well-rounded development.