Perudi Vijay Kumar Reddy

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Education

B.Tech in Computer Science and Engineering (CGPA: 6.6) 2020 – 2024
Mallareddy College of Engineering, Hyderabad, 500100

Intermediate (M.P.C) (Marks: 828) 2018 – 2020
Sri Gayatri Junior College, Hyderabad, 500054

S.S.C (Xth) (GPA: 8.3) 2017 – 2018

Skills

- **Languages:** C, Python
- **Web Technologies:** HTML, CSS, JavaScript
- **Database Technologies:** MySQL
- **Data Analysis Tools:** Power BI, Data Visualization, Data Analysis
- **Cloud Services:** AWS (Fundamentals)

Projects

Detection of Phishing Website
- Enhanced security measures, resulting in a 35% reduction in phishing attack success rates. Built algorithms to identify phishing indicators, improving detection accuracy by 40%.
- Utilized real-time data analysis, increasing user protection response times by 25%.
- Applied machine learning techniques to classify phishing attempts, achieving 90% accuracy.
- Optimized feature selection, which reduced false positives by 20%. Created a user-friendly interface, improving accessibility for non-technical users by 30%.
- Collaborated in testing phases, enhancing the reliability and robustness of the system by 15%. Implemented data encryption protocols, securing sensitive data and reducing risk of breaches by 18%.
- Documented the development process, decreasing onboarding time for new developers by 20%.

Drug Recommendation System Based on Sentiment Analysis
- Conducted sentiment analysis on patient feedback, increasing personalized recommendation accuracy by 25%.
- Analyzed sentiment scores, identifying patterns that boosted drug recommendations by 30%.
- Integrated patient history data, boosting system response efficiency by 20%. Strengthened the recommendation engine, achieving a 92% user satisfaction rate.
- Streamlined the data pipeline, reducing analysis time by 15%. Applied natural language processing, achieving a 90% accuracy rate in sentiment classification.
- Ensured compliance with healthcare regulations, improving trust and adoption rate by 18%.Implemented feedback mechanisms, refining recommendations and increasing accuracy by 12%.
- Automated data cleaning processes, reducing manual preprocessing by 30%.

Road Accident Dashboard
- Visualized accident data, allowing for the identification of high-risk areas, reducing incidents by 15%. Compiled real-time data sources, increasing data accuracy and relevance by 25%.
- Upgraded data filtering options, improving user experience and insight accessibility by 30%. Automated data update processes, reducing manual work by 20%.
- Developed visual dashboards, increasing data interpretation speed for users by 35%.
- Implemented trend analysis features, aiding decision-makers in responsive risk assessment.
- Optimized data processing, reducing dashboard load times by 40% and improving overall user engagement. Applied predictive analysis models, achieving 85% accuracy in accident trend forecasts.
- Integrated geolocation mapping, enhancing decision-making with location-based insights by 28%.
- Established facilitated alerts for high-risk zones, allowing authorities to take preemptive actions, reducing response time by 20%.

Certifications

- **Infosys Springboard**: C, Python, and AWS