

SHIVA KUMAR

Email: shivakumarmacharla1656@gmail.com | +91-6303152654 | [GITHUB](#)

Education

Gokaraju Rangaraju Institute of Engineering and Technology, India

2020 - 2024

- Branch: Computer Science Engineering | CGPA: **8.09**

Yadadri Junior College, India

2018 - 2020

- TSBIE (Class XII), Aggregate: **94%**

Technical Skills

- Languages : C++, SQL.
- Technologies: HTML, CSS , javascript, Nodejs,Reactjs.

Projects

Credit Card Fraud Detection [Link](#)

Spearheaded machine learning algorithms to detect fraudulent credit card transactions, resulting in a 40% decrease in errors and a 25% improvement in overall fraud detection accuracy.

- Implemented **Decision Trees**, **KNN**, **SVM**, and **Naive Bayes Classifier** algorithms to analyze customer data, resulting in 20% increase in accuracy and decrease in F1 score.
- This project was done by 5 members, each took different algorithms of the above mentioned to detect whether a fraud transaction has occurred or not.
- Overall **Accuracy** is 96.5

To-Do-List App [Link](#)

Developed a comprehensive task management system using react.js, empowering users to create and organize their work; enhanced user experience by providing clear visual indicators for completed tasks.

- Used **React.js**
- The adoption of large component frameworks in React.js, leveraging small components to streamline development and reduce code duplication, resulting in increase in development efficiency and maintainability. Potentially reducing debugging time by 10% to 30%

Packet Sniffing using wireshark

Packet sniffing is a technique used to capture and analyze network traffic in real time. The process involves intercepting and examining the data packets that are sent over a network

- Tools & technologies used: Wireshark.

Coursework / Skills

- Data Structure and Algorithms(DSA)
- Database Management System (DBMS)

Certifications

- Data Science for Engineers (NPTEL).
- Data Analytics with Python (NPTEL).

Positions of Responsibility

AAC CLUB | Mentor

Feb'21 - Present

- Mentored and guided junior team members on project assignments, resulting in improved productivity.

Soft Skills

- Analytical And Problem Solving.
- Communication Skills.
- Action Planning.
- Design Thinking.
- Critical Thinking
- Active Learning