Siva Charan Karthik Kammampati

 Github | in LinkedIn | ✉ Gmail | ▪ Phone Number

EDUCATION

2021 - present	B.Tech(CSE) at **SRM University AP**	(CGPA: 8.51/10.00)
2019 - 2021	Class 12th BIEAP at **Sri Chaitanya Junior College AP**	(Marks: 976/1000)
2018 - 2019	Class 10th SSC at **Narayana E.M School**	(Percentage: 93.4)

WORK EXPERIENCE

Machine Learning Intern, SRM AP   mar2024 - june 2024

- Utilized deep learning techniques to accurately determine the real-time positions of vehicles.
- This project is used to reduce the accidents and traffic congestions in Urban Environment.
- Ensured minimal latency, energy efficiency, and optimal vehicle relay selection for effective data. transmission.

PROJECTS

Heart Disease Prediction Using ML

- Developed a machine learning model to predict heart disease using medical datasets, Achieving improved diagnostic accuracy through robust feature selection and preprocessing techniques.
- Applied classification algorithms including Logistic Regression, Random Forest, K-Nearest Neighbors, and Support Vector Machine (SVM) to identify individuals at risk of heart disease.
- Utilized Python libraries like Pandas, NumPy, Scikit-learn, Matplotlib, and Seaborn for data analysis, model building, and result visualization.

Communication For Vehicular Networks

- Developed an LSTM-based predictive model to optimize relay node selection in VANETs, enhancing data transmission efficiency and reducing end-to-end latency.
- Compared the proposed model's performance against Particle Swarm Optimization (PSO) and Fuzzy-BCM algorithms, demonstrating superior results in relay selection accuracy and network stability.
- Collaborated with a team to analyze vehicular network architectures and communication models, fostering a comprehensive understanding of V2X communication systems.

SKILLS

Technical Skills	ML, Object-Oriented Programming (OOP),Problem Solving
Soft Skills	Quick learner,Team player,Time Management
Languages	C++, Python,SQL,Java

ACHIEVEMENTS AND CERTIFICATES

- Awarded a 3-star rating in HackerRank SQL.
- TCS iON Career Edge – Young Professional certification.
- Contributed to a research/academic project on 5G vehicular networks with deep learning-based localization.