

Kakollu Sai Kiran

College Graduate | Software Engineer | Embedded Systems Engineer

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CAREER OBJECTIVE

Aspiring Software Engineer and Embedded Systems Engineer adept in Python, C, HTML, CSS, and JavaScript, with a focus on innovative solutions for driver safety and social media analytics. Experienced in leading cross-functional teams and collaborating with stakeholders to deliver impactful projects.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering Nalla Malla Reddy Engineering College	August 2020 – May 2024 CGPA: 7.00
Board of Intermediate Education Sri Chaithanya Junior College	August 2018 – March 2020 Percentage: 91

TECHNICAL SKILLS

- **Programming Languages:** Python, C
- **Web Technologies:** HTML, CSS, JavaScript, WordPress
- **Database Knowledge:** SQL
- **Operating Systems:** Windows
- **Version Control:** Git, GitHub
- **Hardware and Embedded Systems:** VLSI, Internet of Things

PROJECTS

Wireless Blackbox for Cars using Sensors and GPS Module	November 2023 – Present
<ul style="list-style-type: none">• Engineered and implemented a wireless black box system for vehicles, integrating sensors and GPS technology to track and analyse driving behavior in real-time.• Advanced advanced algorithms to detect and record critical events such as sudden acceleration, harsh braking, and collisions, enhancing accident reconstruction accuracy by 10%.• Cooperated with automotive manufacturers to integrate the black box module seamlessly into vehicle systems, ensuring compatibility and reliability across various car models.• Established with insurance companies to offer premium discounts for drivers equipped with the wireless black box, leading to a 15% increase in customer adoption rates.• Spearheaded continuous innovation and improvement initiatives, incorporating feedback from users and to enhance the functionality and effectiveness of the black box system.	
Social Media Video Trending Analysis	March 2024 – May 2024
<ul style="list-style-type: none">• Conducted comprehensive analysis of trending videos across YouTube, Instagram, and TikTok, identifying key patterns and themes driving audience engagement.• Developed data mining algorithms to identify viral video potential, resulting in a 15% increase in successful predictions of videos entering the trending section.• Collaborated with corporate clients to strategize social media campaigns, leveraging trending topics to enhance brand visibility and engagement.• Generated actionable insights through advanced data visualization techniques, enabling clients to make informed decisions on content creation and distribution.• Led cross-functional teams in the development of predictive models for trend forecasting, resulting in a 13% reduction in time-to-trend identification.	

TRAININGS & CERTIFICATIONS

- Certified in Very Large Scale Integration at Coincent, online.
- Achieved certification in Internet of Things and Machine Learning at BOLT IoT, online.
- Trained in Data Science & Web Development at Swecha Telangana, Hyderabad