

LAKKIREDDY SAIPRANAVARSHITHA

saipranavarshitha@gmail.com • [linkedin.com/in/saipranavarshitha-lakkireddy-b6a701221](https://www.linkedin.com/in/saipranavarshitha-lakkireddy-b6a701221) • +91 9154425699

Professional Summary

Highly motivated and results-driven ECE graduate with expertise in Python programming, DevOps practices, and SQL database management. A proficient problem solver with a strategic mindset and a strong focus on continuous improvement. Gold medalist in college, demonstrating exceptional academic excellence and dedication to achieving goals. Eager to apply technical skills and academic achievements in a professional setting to drive innovation and contribute to the success of a dynamic organization.

Skills

- Python
- DevOps
- SQL
- Analytical Thinking
- Training and Testing ML Models
- Decision Making Ability
- Research & Development

Achievements

- Awarded the **Gold medal** for achieving the highest academic performance in the Electronics and Communication Engineering department.
- **SELF POWERED GPS TRACKER** Project Secured a Recognition as one of the top 257 innovative projects in the MSME sector and Acknowledged by the Hon'ble Prime Minister during the announcement on International MSME Day.

Projects

PROJECT 1: ML BASED POTHOLE AND SPEED BREAKER DETECTION SYSTEM USING SMARTPHONE SENSOR DATA

- Usage of Road Transportation is increasing in day to day life. The uneven roads may lead to accidents and cause damage to vehicles. Due to the potholes as per some of the surveys the accidents are occurring.
- The primary goal of this project is to eliminate issues arising from unidentified potholes and speed breakers. By using Androsensor mobile app we collected and recorded the data while traveling on roads. Later on by several data processing steps like Data reorientation, Filtering, Data Segmentation.
- The Time domain Features are extracted from segments and the machine learning models are trained and predicted the pothole and speed breakers.

PROJECT 2: SELF POWERED GPS TRACKER

- Self Powered intelligent GPS tracking system is designed for the purpose of Vehicle Tracking.
- GPS tracker is developed with Integration of Adafruit Fona module, Arduino uno R3, GPS Antenna.
- The Adafruit Fona module is equipped to handle incoming messages and calls. When a message is sent to the SIM card within the Fona module, the system identifies the sender's number.
- Subsequently, it promptly responds by sending the current location, along with a Google Map link, to the originating number.

Education

- **K.S.R.M COLLEGE OF ENGINEERING** **KADAPA** **2018-2022**
Bachelor of Technology degree in **Electronics and Communication Engineering (Gold Medalist)** **CGPA: 9.03/10**
 - **NARAYANA JUNIOR COLLEGE (MPC)** **KADAPA** **2016-2018**
Percentage: **97%**
 - **SAIBABA HIGH SCHOOL** **KADAPA** **2016**
CGPA: **9.7/10**
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