



SARVESH R KARAKANNAVAR

Bachelor of Engineering
Electronics and Communications
KLE Technological University, Hubballi

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CAREER OBJECTIVE

To obtain a challenging role in a forward-thinking organization where I can apply my skills in embedded systems, C/C++ programming, automotive electronics, and networking, contributing to innovative projects while growing professionally.

EDUCATION

- **KLE Technological University(BE)** CGPA: 7.27
Electronics and Communication
- **K.L.E Society's C.I.Munavalli Polytechnic (Diploma)**
Hubli, Karnataka
- **Lions English Medium School (SSLC)**
Hubli, Karnataka

PROJECTS AND INTERNSHIP

- **Real time Intrusion detection system**
A Real-Time Network Intrusion Detection System using Machine Learning
 - A Real-Time Network Intrusion Detection System using Machine Learning leverages algorithms to continuously monitor and analyze network traffic for detecting and responding to potential security threats as they occur
- **Portable soil testing system for sustainable agriculture**
A Portable Soil Testing System uses embedded hardware and software
 - A Portable Soil Testing System for Sustainable Agriculture provides on-site analysis of soil properties and suggests suitable crops based on the soil parameters to optimize farming practices and promote environmental sustainability.
- **AODV**
Ad hoc On-Demand Distance Vector.
 - Developed and implemented the Ad hoc On-Demand Distance Vector (AODV) routing protocol for mobile ad hoc networks (MANETs), focusing on dynamic route discovery and maintenance. Ensured efficient communication with minimal control message overhead, supporting both unicast and multicast traffic.
- **V2X Communication for Enhanced Vehicular Safety**
Simulation model using OMNET++
 - Designed a simulation model using OMNET++, SUMO, and VEINS for real-time V2X communication, enabling efficient accident detection and traffic management. Enhanced road safety with DSRC and UDP protocols for fast and reliable data transfer.
- **Multimodal Personal Assistant Bot**
Internship Project: Intelligent Assistant with Voice, Vision, and Automation
 - Developed a multimodal personal assistant bot capable of voice commands, image and video capture, real-time weather and news updates, email sending, self-navigation, home automation, and general Q&A.
 - Integrated hardware and software components for camera, microphone, speaker, and sensors; implemented using Python, APIs, and embedded systems.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++(Oops),Python
Developer Tools: Codeblocks,Google Colab, Keil, Microsoft office
Soft Skills: Leadership, Problem Solving, Teamwork, Communication
Hobbies: Travelling, Playing Cricket, Reading Books

LANGUAGES

- English, Hindi , Kannada

ACHIEVEMENTS AND CERTIFICATIONS

- **Real-Time Network Intrusion Detection System Using Machine Learning (Paper publish)**
ICTCS 2024
- **Machine learning (Certificate)**
Great learning
- **Juniper- Open Learning Junos,Associate (JNCIA-Junos)**