

# Mallikarjun S Hiremath

Location: Bagalkote, Karnataka - India

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## Profile

Recent B.E. Electronics and Communication Engineering (ECE) graduate, Class of 2024, with a solid understanding of engineering principles and problem-solving skills. Experienced in working on practical projects and collaborating in team environments. Adaptable, detail-oriented, and ready to take on new challenges in the field of technology.

## Education

<b>Basaveshwar Engineering College</b> <i>B.E. in Electronics and Communication Engineering with 7.15 CGPA (out of 10.0)</i>	Bagalkote Oct 2020 – June 2024
<b>B.V.V.S Indp. PU College</b> <i>Pre-University, PCMB ( Score : 93.66)</i>	Bagalkote May 2018- May 2020
<b>Adarsha Vidyalaya R.M.S.A.</b> <i>SSLC, ( Score : 93.28)</i>	Bagalkote June 2013- April 2018

## Skills

<b>Programming Languages</b>	: C Programming, C++, Embedded C, Microcontroller Programming
<b>Automotive Tools</b>	: CANoe, CANalyzer, MQTTfx, Tera Term
<b>Communication Protocols</b>	: CAN, UART, UDS, Ethernet/IP
<b>Software Tools</b>	: Microsoft Office (PowerPoint, Word), Atlassian Jira, Git, GitHub
<b>Testing and Methodologies</b>	: HIL Testing, Manual Testing
<b>Soft Skills</b>	: Problem-Solving, Logical Reasoning, Leadership, Teamwork, Presentation, Communication, Adaptability, Critical Thinking, Time Management, Emotional Intelligence

## Achievements

- Finalist at the **Smart India Hackathon 2023**, contributing to a national-level problem-solving initiative.
- Secured 1st prize at **"Anveshana"**, an interdepartmental project exhibition.
- Won 3rd prize at **"Aavishkar"**, an intradepartmental project competition. .

## Experience

<b>Vehicle Testing Engineer</b> <i>Mahindra and Mahindra Ltd., MWC Chennai</i>	Oct 2024 – Mar 2025
<ul style="list-style-type: none"><li>• Working on <b>BE6 and XEV 9e</b> vehicle projects under the <b>Battery Electric Vehicle (BEV)</b> domain.</li><li>• Conducting <b>vehicle diagnostics</b>, validation, and testing for electric vehicles to ensure optimal performance.</li><li>• Proficient in <b>CAN</b> communication and network analysis using <b>CANoe and CANalyzer</b>.</li><li>• Experienced in bug tracking and project management using <b>Jira</b>.</li><li>• Utilizing <b>Tera Term</b> for serial communication and <b>MQTTfx</b> for testing MQTT protocols.</li><li>• Collaborating with <b>cross-functional teams</b> for vehicle performance evaluation and issue resolution.</li></ul>	
<b>Intern</b> <i>Vectra Tech Global</i>	Feb 2024 – July 2024
<ul style="list-style-type: none"><li>• Engineered and proposed a <b>UWB Transceiver</b> board setup for Microwave Breast Imaging in collaboration with the R&amp;D team.</li></ul>	

- Contributed to the development of a **UWB-based Breast Cancer Detection Device**, applying technical knowledge to ongoing research.
- Demonstrated an unwavering commitment to learning and innovation throughout the internship .

#### **Intern**

*SkillZam Pvt. Ltd.*

July 2023 – Aug 2023

*Bagalkot, Karnataka*

- Developed a **Market Billing System** using **HTML, CSS, and JavaScript** as part of a web development course.
- Gained practical knowledge in front-end development and responsive design principles.

## PROJECTS

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### **OreQualiSense**

*HTML, CSS, SVM, Python, Google API*

- \* Developed and implemented a system to measure ore quality using **Raspberry Pi, Spectrometer Sensor**, and **SVM Algorithm**.
- \* Integrated a **NEO-8M GPS module** for tracking mining vehicles and designed a website with **Google API** to display location data.

### **Biometric EVM**

*Arduino programming*

- \* Designed and programmed a **Biometric EVM Prototype** using **Arduino** and a **fingerprint sensor** to ensure security from vote tampering.
- \* Utilized **HTML, CSS, JavaScript**, and **API calls** to display voting results and real-time news content on a web interface.

## CERTIFICATIONS

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- **Problem Solving through Programming in C**, NPTEL
- **The Complete C Programming Course for Basic to Expert**, Udemy
- **OOPs Concepts in C++**, Great Learning
- **The Complete C Programming Course for Basic to Expert**, Udemy

## HOBBIES

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- Interested in reading inspirational and thought provoking books
- Passionate about badminton and drawing