

DHEERAJ D SHETTY

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OBJECTIVE

"To build a career in the Electronics and Instrumentation Engineer seeking an opportunity to work in a growth-oriented environment, where I can utilize my knowledge of control systems, embedded systems. Eager to apply my technical skills in an entry-level role and contribute to innovative projects in Electronics field and also support in business growth "

EDUCATION

JSS ACADEMY OF TECHNICAL EDUCATION BANGLORE

2022 – 2026

Bachelors of Engineering in Electronics and Instrumentation
Engineering Bangalore India

CGPA : 6.75 (as of third year)

RNS COMP PU COLLEGE BANGLORE

2020 - 2022

Pre-University Education Bangalore

PCME Percentage : 69.83

VIP HIGH SCHOOL BANGLORE

2018 - 2020

Karnataka Secondary Education Examination Board

Percentage : 77.76

PROJECTS

• GUARDIAN CANE

- Implemented using **Arduino Uno**, integrated with **GPS** and **GSM** modules for location tracking and emergency alerts.
- Used rain drop sensor to detect wet surfaces, UV sensor for ambient light detection, and **LEDs** for illumination in low-light areas.
- Included **ultrasonic sensor** for obstacle detection, with buzzer and vibration motor providing feedback to the user.
- Designed for portability, ease of use, and low cost.
- It can also be helped in climbing stairs.

• SMART HELMET FOR SAFETY

- The Smart Helmet enhances two-wheeler safety by integrating features like alcohol detection, accident detection, **GPS tracking**, and **GSM-based alerts**.
- It prevents vehicle ignition unless the helmet is worn and provides monitoring and emergency alerts through buzzer and **LED indicators**.

- **MOVEMENT DETECTION SYSTEM IN RESTRICTED AREA**

- Developed a real-time motion detection system using **Arduino Uno** and **IR sensors**.
- Triggered immediate alerts via alarms and notifications to enhance security response.
- Designed for scalability, suitable for sensitive locations like military bases and government facilities.

SKILLS

- **Programming Languages** : C , Python , JAVA
- **Soft Skills** : Communication , Time Management , Digital Marketing , Collaboration adaptability
- **Simulation** : MATLAB
- **Tools and Technologies** : Embedded Systems , Internet of Things (IoT)