

# B M Sanjan Kumar

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## Career Objective

Enthusiastic and detail-oriented individual with a strong foundation in engineering and team coordination. Eager to leverage technical acumen, field exposure, and strong interpersonal skills in a Territory Service Manager role to drive service excellence, enhance customer satisfaction, and contribute to operational efficiency in the two-wheeler segment.

## Skills

**Technical Skills:** Basic Automotive Engineering, IC Engine Fundamentals, Instrumentation, Sensor Calibration, Basic Embedded Systems knowledge, VLSI Design, C++.

**Soft Skills:** Team Leadership, Field Coordination, Customer Handling, Root Cause Analysis (RCA), Communication, Service Reporting, Problem Solving.

## Education

<b>SIT Tumkur</b> — B.E. in Electronics and Instrumentation Engineering CGPA: 8.26/10	<b>Nov 2022 – Present</b>
<b>SVPC Gangavathi</b> — Pre-University College with PCMB combination Percentage: 85.6	<b>June 2020 – March 2022</b>
<b>SSPC Lingsugur</b> — Class 10th, C.B.S.E Percentage: 81.16	<b>June 2019 – April 2020</b>

## Project Work

**Robotic Hand to Demonstrate Yoga Mudras** **Jan 2025**  
Developed a 3D-printed robotic hand capable of performing yoga mudras using servo motor control. The system used Arduino Uno and MG995 servo motors to automate Gyan, Prithvi, and Shuni mudras. Displayed mudra names in real-time via an LCD interface.

- Key Contributions:
- Interfaced MG995 servo motors and LCD with Arduino Uno.
  - Programmed predefined motion sequences using Embedded C++.
  - 3D-printed hand with precision alignment and flexible actuation.
  - Ensured real-time responsiveness for educational demonstration.

**Smart Drone-Based Surveillance System with Autonomous Flight** **June 2025**  
Engineered an aerial surveillance drone capable of autonomous flight and real-time monitoring. Integrated KK2.1.5 flight controller, brushless motors, and ESP8266 for wireless control via a mobile app using PWM signals. Tested RPM stability for diagnostics.

- Key Contributions:
- Configured KK2.1.5 controller and brushless motors with ESCs.
  - Developed mobile app interface for remote flight control.
  - Used GPS and IMU for path tracking and stability.
  - Conducted live RPM tests to validate motor diagnostics.

## Certificates

- Certified in Data Structures and Algorithms on CodeChef
- Certified in Advanced Technical Training (C++) on CodeChef
- Certified in Database Management Systems (DBMS) on CodeChef
- Participated in Circuta-thon(2024)-Dayanand sagar college of engineering(DSCE)

## Extra-Curricular Activities

**Halcyon Summer Fest**  
Music Genre Head  
Anchored and coordinated events during the Halcyon Summer Fest, enhancing skills in communication, leadership, and event management.