

PRATHAMESH PATIL

Contact

prathameshpatil7171@gmail.com
9069907171

Summary

I have completed Electronics and Telecommunication Engineering student with knowledge of EV battery systems and BMS. Completed EV Battery Specialist course with understanding of lithium-ion batteries, battery pack technology, CAN communication, and DC-DC converters. Passionate about EV technology and eager to build technical skills in the electric vehicle industry.

Education

B.Tech in Electronics and Telecommunication Engineering (DBATU)

(2023 - 2026) CGPA 7.17

Diploma in Elecronics &Telecommunication (MSBTE)

(2021 - 2023) 76.35%

ITI in Electronics Mechanic (NCVT)

(2018-2021) 71.85%

Skills

- EV Battery Safety handling
- Cell, Cell Chemistry (LFP, NMC)
- Cell Testing (ACIR,DCIR)
- Basic BMS Operation (cell balancing, BMS testing)
- Troubleshooting of Pack
- C Rating (Charging & Discharging)
- Battery Pack Design
- Battery Thermal Management Concept

Work Experience

Apprentice Trinee

Vijeta Switchgear Pvt. Ltd. Kupwad E- 26, Sangli

Sep 2021- Sep 2022

- Experienced in assembly and wiring of 1-phase and 3-phase electrical panels.
- Knowledge of testing, troubleshooting, rework, and maintenance of electrical systems.
- Worked on auto switches, VA meters, and electronic energy meters for industrial applications.

Projects

Solar Cleaning Robot Using ESP32

- Design and developed an automated solar panel cleaning controlled by an ESP32 microcontroller to remove dust and improve solar panel efficiency.
- The system uses ESP32 microcontroller, motors, brush mec hanism, motor driver IC and Bluetooth controller module.

Smart Drip Irrigation System Using ESP 32

- In this project we are using ESP as a main Controller & Solenoid Valve for control the on & off mechanism.
- ESP 32 the main control unit control the signal from Bluetooth & process it and send it to Solenoid Valve.

DC DC Converter (Buck)

- Developed a DC-DC Buck Converter project using MOSFET and inductor components for voltage step-down applications in EV systems.
- Gained practical knowledge of power electronics, circuit design, and converter operation.

Certification

- EV Battery Specialist By TATA Indian Institute of Skills (TATA) IIS, Mumbai
- Industrial Automation By TATA Indian institute of Skills (TATA) IIS, Mumbai.
- Robotics By TATA Indian Institute of Skills (TATA) IIS, Mumbai. NPTEL-Introduction of internet of Things.

Langauge Known

English Hindi Marathi

Soft Skill

- Commuinication
- Teamwork
- Time Managemet