

BOOPAL M

Senior Engineer- R&D (EV Drives)

[Projects & Experience](#)

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ABOUT ME | With 3+ years of experience in product development, I currently work as a Senior Engineer. My skills include process planning, product benchmarking, prototype development, testing, PCB circuit tracking, analysis, and troubleshooting. I am dedicated to delivering precise and high-quality work.

WORK HISTORY

Senior Engineer- R&D | 2020- Present

Voltam Elektrik- Volektra | Coimbatore

Job Description: Product development from concept to production, ensuring efficiency, quality, and meeting market & customer needs with company standards.

PROJECTS

- Improvement initiative- BLDC Motor & controller, EESM project and test benches & fixtures.
- Project & process management- Led the engineering team for product development and process optimization.
- Testing, customization & troubleshooting including firmware modification.
- Collaborated with customers for homologation certification process.
- Benchmarking through reverse engineering- BLDC Motor & controller.

Assistant Engineer | 2015- 2019

Mark Acoustic Enclosure Pvt Ltd., | Coimbatore

Job Description: Creating circuits and developing control panels based on requirements or inputs, ensuring their functionality and adherence to specifications.

PROJECTS

- Improvement initiatives- Developed load banks, wiring harness & control panels.
- Process preparation & execution for electrical panels.
- Installation & commissioning of control panels with diesel generator.
- Servicing & troubleshooting of electrical control panels.

OTHER PROJECTS

- Personal innovation- Designed & Developed automatic hand sanitizer dispensers with integrated temperature sensor units, which controls door opening based on temperature.

COMPETENCIES

Product development | Prototyping |
Circuit tracking | Process optimisation |
Executing tasks with precision |
Active engagement in problem-solving
activities

TOOLS USED

Proteus | Keil 4 & 5 | MP Lab |
Auto CAD- Electrical

LANGUAGES KNOWN

Tamil | English | Kannada

EDUCATION

Bachelor of Engineering- EEE
Coimbatore Institute of Technology

Coimbatore, India
2017- 2020

Diploma- EEE
PSG Polytechnic College

Coimbatore, India
2011- 2015

PERSONAL INFO

Date of Birth: 02 Aug 1995 | **Gender:** Male | **Nationality:** Indian