

TARUNKUMAR S

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PROFESSIONAL SUMMARY

B.Tech Electrical and Electronics Engineering student with hands-on industrial exposure in PLC/HMI-based cable cutting systems, industrial connectors, cable harness assembly, crimping, wiring and manufacturing workflows. Strong academic foundation in electrical engineering, industrial automation and embedded systems. Interested in core electrical, automation, control systems and manufacturing roles. Quick learner with strong teamwork, communication and problem-solving skills.

TECHNICAL SKILLS

Electrical & Control	Electrical Machines, Power Systems, Power Electronics, Control Systems, Industrial Automation
Automation	PLC, HMI, Industrial Control, Machine Operation, Basic Troubleshooting
Embedded	Embedded Systems, Microcontroller Fundamentals, Sensor Interfacing
Software & Tools	MATLAB, Simulink, AutoCAD
Industrial Skills	Cable Harnessing, Crimping, Wiring, Connector Integration, PCB Assembly, Quality Control
Professional	Problem Solving, Teamwork, Leadership, Project Management, Communication

INDUSTRIAL EXPERIENCE

Intern | Amphenol FCI OEN Connectors Ltd, Bengaluru

Dec 2023 – Apr 2024

- Operated HMI/PLC-based cable cutting systems used in industrial cable processing.
- Performed crimping and wiring harness assembly for industrial connector applications.
- Gained practical exposure to industrial automation, connector integration and manufacturing workflows.
- Followed quality-control practices during cable processing, assembly and inspection activities.

TECHNICAL PROJECT

Smart Prepaid Electricity Management System

ESP32 | GSM/4G | RFID | PZEM-004T | LCD | Contactor

- Developed a smart prepaid electricity meter to monitor real-time voltage, current, power and energy consumption.
- Implemented prepaid balance management with automatic load control when the available balance is exhausted.
- Integrated ESP32, PZEM-004T, GSM/4G and RFID for energy monitoring, user authentication and remote communication.
- Designed an automated load-control mechanism using a contactor and provided alerts through LCD/buzzer.
- Focused on reducing manual meter reading and improving energy monitoring and consumer control

EDUCATION

B.Tech – Electrical & Electronics Engineering	GM University, Davanagere, Karnataka	CGPA: 8.5 | Aug 2024 – Jul 2027
Diploma – Electrical & Electronics Engineering	DRR Govt Polytechnic, Davanagere, Karnataka	CGPA: 7.8 | Sep 2021 – Mar 2024

ACHIEVEMENTS

- 1st Place – Interconnect 26.0, GM University (Apr 2026).
- Developed and presented a technology-based solution addressing a real-world engineering problem.

LANGUAGES

English | Kannada | Hindi

Target roles: Electrical Engineer | Graduate Engineer Trainee | Electrical & Electronics Engineer | Automation Engineer | PLC/HMI Engineer | Maintenance Engineer