

ANUP PANNELAL YADAV

Electrical Engineering Undergraduate | Electrical Machines & Electronics

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PROFESSIONAL SUMMARY

Motivated Electrical Engineering undergraduate (5th Semester, CGPA: 7.91) at VGEC Ahmedabad, with strong foundations in electrical machines and electronics. Actively preparing for GATE while building hands-on project experience in embedded systems, IoT, and fault detection. Seeking a summer internship to contribute technical knowledge and learn in a professional engineering environment.

EDUCATION

B.E. Electrical Engineering | VGEC (Vishwakarma Government Engineering College), Ahmedabad 2023 - 2027

- CGPA: 7.91 (5th Semester)
- Relevant Coursework: Electrical Machines, Power Systems, Analog Electronics, Network Theory, Power Electronics

PROJECTS

Density-Based Traffic Light Control System | Academic Project 2024

- Designed an adaptive traffic signal system that adjusts green light duration based on real-time vehicle density to reduce road congestion.
- Implemented sensor-based density detection logic to automate signal control, improving overall traffic flow efficiency.

Wireless Power Meter with Cloud Monitoring | Academic Project 2024

- Built an IoT-based power monitoring device that measures and transmits real-time energy consumption data to a cloud dashboard.
- Enabled remote monitoring and data logging for energy usage analysis, demonstrating integration of hardware with cloud platforms.

Low-Cost Fault Detection System for Transmission Lines | Academic Project 2024

- Developed an affordable line-breakage fault detection system for electrical transmission networks.
- Designed for cost-effective deployment in areas where traditional fault detection infrastructure is unavailable.

TECHNICAL SKILLS

Core Engineering: Electrical Machines (DC & AC), Power Systems Analysis, Power Electronics, Analog Electronics, Network Theory

Tools & Software: MS Excel, MS PowerPoint, Basic Circuit Simulation

Other: IoT Basics, Embedded Systems (beginner), Cloud-based Data Monitoring

SOFT SKILLS

Team Collaboration • Problem Solving • Effective Communication • Time Management • Adaptability

PROFESSIONAL DEVELOPMENT

- GATE Preparation (Electrical Engineering) – Strengthening advanced concepts in Power Systems, Power Electronics, and Electrical Machines.
- Self-study in IoT and embedded systems to complement core electrical engineering coursework.