

# DEEPAK YADAV

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## OBJECTIVE

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Electronics Engineering graduate with strong knowledge of electrical and electronic components, panel design, load calculations, BOQ preparation, and costing analysis. Skilled in MS Excel, AutoCAD, and technical documentation with hands-on understanding of industrial control panels and power distribution systems. Detail-oriented, quick learner, and a strong team player with the ability to work under deadlines..

## EDUCATION

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**Institute of Engineering and Rural Technology**  
Bachelor of Technology, Electronic Engineer (2021-25)

**Prayagraj, Uttar Pradesh**  
SGPA: 7.9

## PROJECTS

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- **Electrical Control Panel Cost Estimation and SLD:** Worked as a Costing Engineer, responsible for identifying components used in electrical panels, preparing cost estimates, and designing Single Line Diagrams (SLD) to ensure technical accuracy and cost efficiency.
- **V-Shaped PCF-Based SPR Biosensor Design Using COMSOL:** Simulated a photonic crystal fiber SPR biosensor in COMSOL for detecting a wide range of analyte refractive indices with high sensitivity.
- **Binary to Gray Code Converter using Verilog:** Designed a Binary to Gray code converter using Verilog HDL with real-time output on FPGA, showcasing digital logic design skills.

## EXPERIENCE AND INTERNSHIP

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- **VCIPL GHAZIABAD** - Estimate costing engineer and also worked as design engineer for electrical panel fabrication.
- **Unique Power Automation** – LT/MCC/PLC panel design and costing, component selection & BOM. Exposure to flow measurement systems, PLC-SCADA integration, basic PID control, and quality & plant safety standards.
- **ITI Limited, Naini Prayagraj – Solar Panel Manufacturing:** Gained knowledge of solar PV manufacturing (cell interconnection, lamination, testing) and worked in quality checking and installation process.
- **VLSI Design – Internshala Online Training:** Completed digital design training using Verilog, built and simulated logic circuits (adders, counters, ALU), and learned CMOS design fundamentals using tools like Xilinx ISE.

## TECHNICAL SKILLS

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- **Simulation & Design Tools:** AUTOCAD, SCADA, PLC, MATLAB, Autocad, ZWCAD
- **Productivity Software:** Word, Excel, PowerPoint, Docs, Sheets, Slides, Siecost
- **Hardware:** Sensors, Relays, Microcontrollers
- **Electrical Fundamentals:** Familiar with power plant operations, electrical machines, and transmission lines.

## LEADERSHIP/EXTRACURRICULAR

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- **Training and Placement Cell (TPO) Coordinator:** Supported placement activities by coordinating with students and companies, and helped in organizing placement drives.
- **Fest Coordinator, Aikyam 2024:** Helped plan and manage events during the college fest, worked with teams, and ensured everything ran smoothly.

## Interest

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- Analog and digital electronics, Electrical Machines, Semiconductor and Chip manufacturing, Guitar & Singing