

Garvit Patwa

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EDUCATION

JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY <i>Bachelor of Technology, Computer Science & Engineering</i> <i>Cumulative CGPA: 7.1</i>	Guna, India 2023-2027
MODERN PUBLIC SCHOOL <i>XII PCM,CS</i> <i>Percentage:70%</i>	Jhansi, India 2023

SKILLS

Programming: C , C++ , Python , SQL
Web Development: HTML, CSS, JavaScript ,React.js, Node.js
Databases: MySQL
Technologies: Git , GitHub, Visual Studio Code , Canva , Figma , Jinx
Machine Learning : NumPy , Pandas , Matplotlib

WORK EXPERIENCE

Trading Engineers <i>UI/UX Intern (Centralized Control & Monitoring System)</i>	On-site Internship, India June 2025 - July 2025
<ul style="list-style-type: none">Designed a clean, scroll-free dashboard in Figma to monitor 15,000+ smart streetlights in real time.Made easy-to-use layouts showing light status, faults, complaints, and a live city map.Highlighted key savings like energy, money, and CO₂ reduction using clear visuals.Focused on simple design, easy navigation, and better user experience for control room staff.	

PROJECTS

Smart Light Control Theft & Fault Detection System (Hardware Project) <i>Tech Stack: Arduino / Microcontroller, Sensors, Electrical Circuits</i>
<ul style="list-style-type: none">Built a hardware-based smart lighting system to remotely turn lights ON/OFF.Implemented overload and underload monitoring to detect power theft and electrical faults.Designed a fault detection mechanism to identify abnormal power consumption in the lighting circuit.Improved system reliability and safety through real-time power monitoring.

PARTICIPATION

VERTEX JUET. <i>4th Place</i>	Jaypee University of Engineering & Technology, Guna
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Project: Street Light Automation System

- Presented a smart streetlight automation idea for better energy management.
- Built a system to detect electricity theft and light faults using load monitoring.
- Created a simple real-time dashboard to display system status and power usage.