



# DHANANJAY SINGH

ELECTRONIC AND AUTOMATION ENGINEER

## CONTACT

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## SKILLS

- PCB Design
- High-speed Digital Design,
- Schematic Capture,
- Design Tools
- Altium Designer, EasyEDA
- Prototyping & Testing
- Design for Manufacturing (DFM)
- Design for Assembly (DFA)
- PLC controller
- SCADA Systems
- Distributed Control Systems
- Human-Machine Interface

## SKILLS

- Project Management
- Teamwork
- Time Management
- Effective Communication
- Critical Thinking

## LANGUAGES

- English (Fluent)
- Hindi (Fluent)



## PROFILE

Dedicated Electronics Engineer with a 2-year background in high-performance PCB design and troubleshooting. I specialize in designing for manufacturability and collaborating with cross-functional teams to drive efficient product lifecycles. My focus is on delivering precise, high-quality hardware solutions through creative problem-solving and rigorous technical analysis.



## WORK EXPERIENCE

**National Electronics** AUG 2023 - AUG 2025  
**Electronic Engineer**

- Hardware Design Engineer:** Experienced in the full lifecycle of electronic product development, from initial concept to production support.
- Specialized PCB Development:** Proven track record in designing double-layer analog, digital, and power electronics circuits using Altium Designer and EasyEDA.
- Collaboration & Compatibility:** Adept at working with cross-functional mechanical teams to ensure seamless hardware-to-enclosure integration and product durability.
- Reliability & Quality Focused:** Expert in prototype bring-up and design validation, emphasizing high manufacturability (DFM) and long-term reliability.
- Advanced Troubleshooting:** Skilled in debugging complex PCB failures, including power distribution issues, thermal management, and communication interface errors.
- Cost-Effective Solutions:** Dedicated to delivering practical, high-performance hardware that balances technical innovation with manufacturing cost efficiency.



## EDUCATION

**Bachelor of technology** 2023  
**Noida International University**  
GPA: 8.2/ 10.0

**12 th Science PCMB** 2018  
**Tarapur Vidya Mandir and jr college**  
Score 63%/100



## CERTIFICATIONS

**INDUSTRIAL AUTOMATION (PLC,SCADA,HMI)**  
**TATA INDIAN INSTITUTE OF SKILLS**