


Tapash Sutradhar

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Portfolio: tapashsutradhar.github.io/portfolio 

Summary

I am seeking a challenging role in an industry that values continuous learning and personal growth, enabling me to develop both professionally and personally. Motivated engineering professional with a strong expertise in design, Operation, maintenance and Projects, Documentation, project management and proficient in utilizing software and IT tools.

Education

B.Tech in Electrical Engineering

July 2020 – June 2023

Bengal Institute of Technology and Management

CGPA: 9.17

Diploma in Electrical Engineering

June 2015 – July 2018

Nibedita Polytechnic

CGPA: 8.50

Work experience

Graduate Apprentice Trainee (Electrical)

July 2024 – Present

West Bengal State Electricity Transmission Company Ltd; West Bengal

- Worked on 440kV/220kV/132kV/33kV/11kV switchyard, AIS/GIS system
- Substation Operation and Maintenance
- Testing of equipment, Estimation (BOQ Estimation, Prepare Bill, Audit)
- Assisted in equipment layout Design, earthing, lighting system, battery design, and HT Breaker Panels & LT panels distribution system for substations.
- Involved in panel design, Commissioning.

Executive Engineer

March 2023 – May 2024

Synnat Pharma Pvt. Ltd; Visakhapatnam, India

- Led a cross-functional Maintenance & Utility team in project, design (AutoCAD) and implementation.
- Managed project, Led a upgrade of Electrical System automation tools PLC, SCADA and major utility.
- Improved system efficiency through preventive maintenance and RCA, FMEA, CAPA tools.
- Supported troubleshooting and adhered to safety protocols.
- Developed SOPs and Documentation for managed utility systems for optimal performance.
- HVAC Systems (AHU, DHU, AC Ducts etc.) Maintenance, Operation.

Projects

- **High-Speed SerDes Verification:** Verified high-speed serial data transmission using Verilog / System Verilog; improved baud rate consistency by optimizing design parameters.
- **Hand motion controls robotic arms:** This system allows controlling a robotic arm by hand movements. This system uses RF receiver which is interfaced to the 8051 microcontroller which controls the driver IC.
- **IoT-based Monitoring System:** This system monitors various parameters (e.g., temperature, humidity, pressure) in real-time.

Skills

Electrical Machine, Circuit Design, Analog and Digital Electronics, Computer Network & Security, Power Systems & Switchgear, Embedded Systems and IOT, Microprocessor and Microcontroller, Simulation Software, Embedded Software & Robotics, Programming, Data Structure and Algorithm, Operating System

Design Tools:

AutoCAD, Altium, ETap, Verilog, Solid Works

Computer skills

Computer Knowledge:

Microsoft Office 365, SharePoint, SAP, MS Word, MS Excel, MS PowerPoint, Adobe Photoshop

Programming Language: Java, Python, *Web Technologies* (MERN Stack, HTML/CSS, JS, PHP, JSON)

Data Analysis: Oracle SQL, Microsoft Power BI, Tableau, MySQL, MongoDB, Statistical Analysis

Soft Skills:

Agile Methodology, Communication, Analytical & critical Thinking, Problem-solving, Team Work, enthusiasm for learning, and continual improvement mindset.

Declaration

I hereby declare that all the details furnished above are true to the best of my knowledge. If given an opportunity, I would perform to the best of my abilities and meet my expectations and that of your esteemed Institution.