

Tapash Sutradhar

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PERSONAL DETAILS

Date of birth: May 11th, 1998
Nationality: Indian
Language: English, Hindi, Bengali
Gender: Male
Marital Status: Unmarried

OBJECTIVE

Aspiring Electrical Engineer with a strong foundation in electrical systems, circuit design and electronics, power system complemented by expertise in Project management, Operation, Maintenance, embedded systems and programming with foundation in computer skills.

EXPERIENCE

West Bengal, India
July 2024 – Present

Graduate Engineer Trainee (Electrical)
West Bengal State Electricity Transmission Company Ltd (WBSETCL)
Expertise in Power Systems & Substation Operations: 440kV–11kV switchyards, AIS & GIS systems, power grid management, HV & EHV transmission/distribution.
Design & Engineering: Substation/switchyard design (AutoCAD), panel design, electrical system layout.
Improved Testing & Commissioning: Reduced testing time using advanced diagnostic tools (IR Thermography, DGA, CT/PT testing), doing troubleshooting and maintenance.

Visakhapatnam, India
Mar 2023 – May 2024

Executive Engineer - Internship
Synnat Pharma Pvt. Ltd
Leadership & Project Management: Led maintenance & utility teams, managed electrical upgrades & projects, developed SOPs, Developed Documentation.
Design & Engineering: Electrical & MEP system design (AutoCAD, ETAP), HVAC management.
Automation & Control: Designed & implemented PLC/SCADA-based automation for utilities & processes.

EDUCATION

Bolpur, WB, India
Jul 2019 – Jun 2023

B.Tech in Electrical Engineering
Bengal Institute of Technology and Management | CGPA - 9.17/10.0

West Bengal, India
Jun 2015 – Jul 2018

Diploma in Electrical Engineering
Nibedita Polytechnic | CGPA - 8.50/10.0

PROJECTS

• **Smart Energy Management System with IoT, AI, and Renewable Integration –**
This project is a Smart Energy Management System (SEMS) that monitors, predicts, and optimizes power usage in real-time using IoT, Artificial Intelligence (AI), and Renewable Energy sources. The system helps improve energy efficiency, reduce costs, and enhance reliability.
- Successfully integrated solar energy into the system, reducing dependency on the grid.
- Provided users with real-time analytics and control, improving decision-making.

SKILLS

Project Management, Operation, Maintenance, Design and Drafting, Power Systems & Protection, Electrical load calculations, Industry Codes & Regulations, Electrical Safety Standards Project Documentation & Reporting, BOP & BOQ, MEP, HVAC system, Agile Methodologies, Business and Product Understanding
Software and Tools: AutoCAD – 2D and 3D, ETAP, MATLAB, PLC/SCADA, Altium, Revit MEP, Navisworks, Compliance, CRM & ERP Software.
Programming Skills: Python, Java, Microsoft Office 365 (Word, Excel, PowerPoint), SharePoint, MS Project, SAP, Data Analysis and Visualization (Oracle SQL, MySQL, Microsoft Power BI, Tableau),
Soft Skills: Communication, Problem-solving, Team Work, Project Management, Adaptability

CERTIFICATION

- AutoCAD – 2D and 3D
- Data Analysis and Visualization (Power BI, Tablue, SQL, EXCEL)
- EF SET English C2 Proficiency, 75/100