# CURRICULUM VITAE



## SOMNATH DEY

### PROCESS ENGINEER

**B-Tech- ELECTRICAL ENGINEERING**


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## CAREER OBJECTIVE

To obtain a challenging position at a recognized firm where I may grow my knowledge, abilities, and learning. And find a responsible job opportunity, where I can put my learning and skills to good use while contributing to the company's success.

## WORK EXPERIENCE

- **Total Experience:** I have 4 year & 5 months. of Working experience.

## HEALMAX EXPORT pvt. ltd, KOLKATA

Healmax export pvt. ltd as a Testing & Commissioning Engineer form 15-July

- **Role And Responsibilities:**
- **Testing & commissioning:** Testing and commissioning of electrical protection relays for HT/LT switchgear, feeders, transformers and incomers.
- **Performed testing:** Performed testing of overcurrent (50/51), Earth Fault (50N/51N), Under/Over Voltage(27/59), Frequency(81), Differential(87) and other protection functions.
- **Secondary Injection:** Conducted secondary injection testing of numerical and conventional protection relays.
- **CT/PT polarity:** Performed CT/PT polarity, ratio, continuity and circuit verification.

## P.M SWITCHGEAR CONTROL EQUIPMENT pvt. ltd, KOLKATA

pm switchgear control equipment pvt. ltd as a Panel Costing & Design Engineer form 15-Jun-25 to 15-Jun-26

- **Role And Responsibilities:**
- **Cost Estimation**: Prepare accurate cost estimates for LT and HT panels based on design specifications, BOM (Bill of Materials), and vendor quotes.
- **Price Benchmarking:** Maintain a database of standard component prices and update costing sheets accordingly.
- **Value Engineering:** Identify opportunities to reduce costs without compromising quality or compliance.
- **Component Selection:** Choose appropriate switchgear components (breakers, contactors, relays, CTs, PTs, etc.) based on load calculations and system requirements.
- **Compliance with Standards:** Ensure designs comply with relevant standards such as IS and IEC

## DANA TM4 INDIA Pvt' Ltd Pune Maharashtra:

I was working over there as a Process Engineer/Manufacturing Engineer from 16- Dec- 22 to 15-May-25**.**

- **Role And Responsibilities:**
- **Process Design and Development:** Collaborate with design teams to optimize product designs for manufacturability and cost-effectiveness, ensuring that they are easy to produce with minimal waste.

- **Process Improvement:** Analyze current manufacturing processes to identify areas for improvement. Implement changes to increase efficiency, reduce costs, and improve quality.
- **Automation and Technology:** Implement automation technologies to improve productivity and reduce human error. Work with robotics, CNC machines, and other manufacturing technologies to modernize production processes.
- **Cost Management:** Analyze production costs and identify opportunities to reduce waste or optimize resource usage, aiming for cost-effective manufacturing solutions without compromising quality.
- **Safety Compliance:** Ensure that all manufacturing operations follow with safety regulations and standards. Promote a culture of safety by educating and training staff on best practices.
- **Equipment Installation and Commissioning:** Assist in the installation and setup of new machinery and equipment. Ensure that all new equipment meets safety, quality, and operational standards.

## Dhoot Transmission Pvt. Ltd Aurangabad Maharashtra:

I was working over there as a machine operator and Maintenance one year - 22 July 2021 to 23 July 2022. I have basic knowledge of HT and LT panel design and maintenance

**Role And Responsibilities:**

- **Setting Up Machines:**

Before starting production, machine operators must set up the machines to ensure they are ready for operation. This may include adjusting machine settings, loading materials, or aligning equipment to meet specific job requirements. Setup involves making sure that all components are correctly placed, ensuring the correct settings are applied, and ensuring the machine operates efficiently.

- **Preventive Maintenance:**

Schedule and perform regular inspections and maintenance to prevent breakdowns. Replace worn parts before failure.

- **Corrective Maintenance:** Diagnose and repair equipment after a failure or issue occurs. Minimize downtime and restore operations quickly.
- **Predictive Maintenance:** Use monitoring tools and data analysis to predict equipment failures. Perform maintenance only when needed based on equipment condition.
- **Documentation and Record-Keeping:** Maintain accurate records of repairs, inspections, and service history. Update maintenance logs and reports regularly.

## SKILL SET

- MS Excel
- MS Power Point
- MS Word
- Team Management, Line Improvement, KAIZEN.
- CP, PFMEA, PBOM, PFD & Control plan Documentation,7QC Tools, SIX SIGMA,
- Project Management
- EPLAN P8 Software (Electrical Panel Designing)

## Education

**Dr B C Roy Engineering College** **Durgapur West Bengal**

B-Tech - Electrical Engineering 2017 - 2021

## DECLLERATION

I do hereby declare that the statements made in this document are true to the best of my knowledge and belief.

PLACE: KOLKATA SOMNATH DEY

DATE:10/09/2026