

Suryansh Tanwar

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EDUCATION

- ❖ **Mechanical Engineering** | State Institute of Engineering & Technology, Nilokheri (2021 - 2025)
❖ **XII (CBSE)** | Little Flower Visitation Sr. Sec. Convent School, Kaithal (2020 - 2021)

WORK EXPERIENCE

- ❖ **Trainee Design Engineer** | ETA Engineering Pvt. Ltd. (July 2025 – Present)
- Executed heat & cooling load calculations to determine precise HVAC requirements for large-scale projects.
 - Prepared detailed technical documentation, including Bill of Quantity (BOQ) schedules, schematic layouts, duct sections, equipment layouts, and foundation drawings.
 - Supported successful project execution by verifying technical documentation, reviewing site work progress, and assisting with HVAC system layout implementation.

INTERNSHIPS

- ❖ **Automobile Service Intern** | Maruti Suzuki. (07/2023 - 08/2023)
 - Gained practical knowledge of vehicle servicing including components, techniques, teamwork.
- ❖ **Train Maintenance Intern** | Delhi Metro Rail Corporation Ltd. (07/2024 - 08/2024)
 - Assisted in inspecting, maintaining, and repairing Delhi Metro trains, conducting diagnostics, servicing brakes, and ensuring safety compliance.

ACADEMIC PROJECTS

- ❖ **4X4 Car Mechanism**
 - Designed a four-wheel-drive system with integrated differentials for optimal power distribution, enhancing control and maneuverability across diverse terrains.
- ❖ **Eco Friendly PCM (Phase Changing Material) Van**
 - Developed a refrigeration van using phase change materials (PCM) and cooling gel packs, designing, prototyping, and testing the system for efficient thermal management in short -distance transportation.
- ❖ **Single Slider Mechanism**
 - Created models showcasing all four inversions of a single slider mechanism, utilizing additive modeling and 3D printing for accurate, functional prototypes.

TECHNICAL SKILLS

- ❖ AutoCAD.
❖ Siemens NX/Unigraphics.
❖ Vehicle Service & Maintenance.
❖ Technical communication.
❖ Microsoft Office Suite

CERTIFICATIONS

- ❖ **AutoCAD Grade A** (09/2022 - 10/2022)
 - Demonstrated Grade A proficiency in 2D technical drawing and drafting principles.
- ❖ **Automotive Vehicle Servicing & Maintenance** (Eakansh Motor Limited-07/2023 - 08/2023)
 - Completed **Maruti-authorized dealer training** focused on comprehensive vehicle servicing, diagnostics, and component maintenance.
- ❖ **Delhi Metro Rail Corporation Ltd.** (Delhi Metro Rail Corporation Ltd. -07/2024 - 08/2024)
 - Hands-on training in train maintenance, including conducting diagnostics, servicing brakes, and ensuring operational safety compliance.
- ❖ **Siemens NX Certification** (10/2024 – 11/2024)
 - Certified proficiency in 2D and 3D modeling using Siemens NX software.