

Rajesh Rana

Mechanical Engineer

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Palia Kalan, Lakhimpur Kheri, Uttar Pradesh

OBJECTIVES

Motivated and detail-oriented Mechanical Engineering graduate with a solid foundation in thermal systems, CAD design, and quality control. Eager to contribute to innovative engineering projects through an entry-level role while gaining hands-on industry experience and continuously expanding technical expertise.

EXPERIENCE

Quality Analyst

Saatvik Green Energy Limited

Jul 2023 - Present

- Experienced in collecting data and identifying trends, analysing opportunities to improve quality control processes and procedures.

EDUCATION

Bachelor of Technology (B.Tech) in Mechanical Engineering

Guru Nanak Dev Engineering College, Ludhiana

2019 – 2023 | CGPA: 7.26

Intermediate

Gurukul Academy, Palia Kalan

2018 | Percentage: 84.35%

Higher Secondary

Gurukul Academy, Palia Kalan

2016 | Percentage: 87.16%

ACADEMIC PROJECT

Open Wind Tunnel

- We conducted aerodynamic testing of a NACA airfoil model in a wind tunnel. This involved placing the airfoil within a controlled airflow environment to analyze its aerodynamic characteristics, such as lift and drag.

INTERNSHIP

- One-month Summer Training in the field of production processes of fertilizer, including participation in a subproject related to production optimization.
- Six-month Training in the maintenance and production department at **Saatvik Green Energy Limited**, focusing on energy production and equipment maintenance.

TECHNICAL SKILLS

- Proficient in **AutoCAD**, **SolidWorks**, and **CNC software**
- Basic knowledge of **analysis** and **simulation tools** (e.g., FEA software)
- Experienced with **Microsoft Office Suite (Word, Excel, PowerPoint)**
- Understanding of **manufacturing materials** and **processes**
- Basic knowledge of **quality control principles** and **standards** (e.g., Six Sigma, ISO)
- Familiarity with **CAD (Computer-Aided Design)** and **CAM (Computer-Aided Manufacturing)** tools

STRENGTHS

- Strong problem-solving skills and keen attention to detail
- Team player with excellent communication skills
- Quick learner and highly adaptable to new technologies and environment

HOBBIES

- Reading books
- Learning about new technologies

LANGUAGE

- Hindi
- English