# Vidit Mathur

## Mechanical Engineering Graduate

Passionate and innovative Mechanical Engineering graduate with a strong foundation in design, analysis, and teamwork. Eager to apply engineering expertise to real-world projects and contribute to technological advancements


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## EDUCATION

### Mechanical Engineering
Govt. Engineering College

*08/2019 - 07/2023* *Bikaner*

*Courses*

- Grade: Hons. (8.49 CGPA)

### XII
Board of Secondary Education Rajasthan

*05/2019* *Bikaner*

*Courses*

- Percentage: 65.60%

### X
Board of Secondary Education Rajasthan

*05/2017* *Bikaner*

*Courses*

- Percentage: 77.17%

## WORK EXPERIENCE

### Academic Internship
Oil and Natural Gas Corporation (ONGC)

*06/2022 - 08/2022* *Dehradun*

*Achievements/Tasks*

- Assisted senior engineers in conducting inspections and maintenance tasks on drilling equipment.
- Familiarity with the oil and gas sector along with exposure to the design of sucker rod pumps.
- Conducted research on emerging drilling technologies, presenting findings to the team, which led to discussions on potential implementation.
- Supported procurement activities by assisting in vendor evaluation and equipment specification reviews.

### Seminar
Seminar on Clean and Green Hydrogen

*Bikaner*

*Achievements/Tasks*

- Presented an engaging seminar on "Clean and Green Hydrogen," highlighting its role as a sustainable energy source.
- Composed a comprehensive report exploring hydrogen's applications and significance across industries.
- Discussed production methods, environmental advantages, and potential challenges of adopting hydrogen technology.

## SKILLS

AutoCAD | CATIA | ANSYS | MATLAB | Machine Design | CNC Machining | Project Planning | CAM | Fusion 360

## ACADEMIC PROJECTS

### Design & Development of Electrolyte Flow System of ECDM (04/2023 - 05/2023)

- Conducted thorough research to understand the principles and requirements of the electrochemical machining process
- Collaborated closely with subject matter experts to optimize the design of the electrolyte flow system, focusing on improving machining precision and efficiency.
- Coordinated the design phase, utilizing CAD software to create detailed and accurate system models.

### Working Model of Conveyor belt (08/2022 - 09/2022)

- Designed and constructed a dynamic working model of a conveyor belt system, showcasing practical proficiency in mechanical design and automation.
- Displayed a strong grasp of mechanical systems and precision engineering principles, combined with hands-on experience in automation technologies.

## WORKSHOP

### Workshop on Automobile and Engine Mechanics in IIT Delhi (10/2019 - 10/2019)

*Engaged in IIT Delhi's "Automobile and Engine Mechanics" workshop, gaining hands-on insights into modern automotive technology and mechanics.*

### Workshop on Mobile Robotics and Mechanics in IIT Delhi (10/2019 - 10/2019)

*Participated in IIT Delhi's "Mobile Robotics and Mechanics" workshop, gaining practical insights into robotics and mechanics.*

## LANGUAGES

Hindi
*Native or Bilingual Proficiency*

English
*Professional Working Proficiency*

## INTERESTS

Robotics | Automotive Enthusiast | Outdoor Activities | Automobile