

ADITYA RANA

MECHANICAL ENGINEER

CONTACT

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EDUCATION BACKGROUND

- University of Petroleum and Energy Studies
Bachelors in Mechanical Engineering; CGPA: 8.27
2020 - 2024
- Cambridge International School
12th standard; 76.6%
2019 - 2020
10th standard; 85%
2017 - 2018

HARD SKILL

- AutoCAD
- Dassault SolidWorks
- AutoCAD Plant 3D

SOFT SKILL

- Observation
- Communication
- Multi-tasking

PROJECTS

- Design and development of a Multipurpose Chulha (Stove) to enhance cooking efficiency and provide heating for water used in bathing and drinking in rural Indian communities.**
Objectives and Key learnings:
 - meticulous design and comprehensive development of a versatile cooking Chula (stove)
 - enhancement of efficiency to improve operational effectiveness
- Design and development of a Extreme Cold Weathering Clothing System.**
Objectives and Key learnings:
 - meticulous design and development of Extreme Cold Weather Clothing System (ECWCS) kit
 - fabrication and evaluation of ECWCS unit through different testing procedures

PROFILE

Motivated mechanical engineer eager to apply academic knowledge and technical skills in a professional setting. Proficient in CAD modeling, and project management gained through hands-on coursework and internships. Committed to continuous learning and growth in the field of mechanical and automotive engineering.

PROFESSIONAL EXPERIENCE

Veolia Water Technologies | Intern

June 2023 - July 2023

Key Responsibilities:

- Precision design of utilities water pump skid
- Engineering robust support structures for pump skid and pipe routing
- Piping flexibility check

Prithak Foundation (NGO) | Intern

June 2021 - July 2021

Key Responsibilities:

- Teaching underprivileged children in English and mathematics through the "Talk2Me" program
- Implementing interactive teaching methodologies to engage students and foster comprehension
- Monitoring student progress to ensure effective learning outcomes

Raju Motors Garage | Intern

June 2021 - July 2021

Key Responsibilities:

- Proficiently conducted vehicle servicing and maintenance tasks to uphold optimal performance and safety standards.
- Assisted in diagnosing and troubleshooting mechanical issues, contributing to efficient and effective vehicle repairs

ACHIEVEMENTS AND LEADERSHIP ROLES

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|-------------|--|
| 2020 - 2021 | Successfully completed Dassault SolidWorks training workshop and executed projects focused on part design, demonstrating proficiency in CAD modeling |
| 2020 - 2021 | Served as a member of the Event Management Team at ASME UPES Student Section |
| 2021 - 2021 | Successfully completed diploma course in Bhagwad Geeta organized by ISKCON |
| 2022 | Efficiently orchestrated the "Design Mach" event on behalf of ASME UPES, ensuring seamless execution and successful outcomes |
| 2021 - 2022 | Logistics Head at ASME UPES Student Section |
| 2022 | Achieved first place in the Maruti Suzuki India Limited video competition on "What Makes You an Automobile Enthusiast" hosted at the University of Petroleum and Energy Studies. |
| 2024 | Secured first position in Poster Presentation at 2nd International Young Researcher's Conclave hosted at University of Petroleum and Energy Studies |