



Saurabh Kumar

Bachelor of Technology

In Mechanical Engineering 2024

Jaipur Engineering College and Research Centre (JECRC)

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Education

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Jaipur Engineering College and Research Centre (JECRC)	8.4 CGPA	2021-2024
Mechanical Diploma	P.M.V. Polytechnic Mathura	69.56%	2018-2021
SSC & Matriculation	SKM Inter College Kasganj	84.5% & 73.8% Respectively	2016-2018

Technical Skills

- **Software & Tools:** AutoCAD, SolidWorks & Ansys Workbench.
Expertise in creating detailed 2D drawings and 3D models for Mechanical, Material Science & Machine Design Knowledge.
- **Project Management & Miscellaneous:**
Knowledge of Battery Management System(BMS), BLDC Motor, Working of Li-ion Battery.

Experience:-

- **FEV India Pvt Ltd, Talegaon** 02 April - 2 January 2025
Mechanical Engineering Intern Talegaon, PUNE

Responsibilities:-

- Conducted comprehensive engine testing to evaluate performance, efficiency, and emissions.
- Knowledge of **AVL Equipments, Engine Testing Software Test Cell Manager & MORPHEE (PUMA)**.
- Collaborated with the engineering team to analyse test data, identify issues, and implement solutions.
- Assisted in developing and optimizing engine control strategies to improve overall performance.
- Documented test results, prepared technical reports, and provided insights to support R&D initiatives.

Projects:-

BAJA SAEINDIA ATV(ALL TERRAIN VEHICLE) July 2023 to February 2024
8th (Final) Semester Crucial & Compulsory

- **Description:-** Collaborated with a multidisciplinary team to design, fabricate, and test an All-Terrain Vehicle (ATV) for participation in the BAJA SAEINDIA Motorsports 2024. Engaged in key engineering processes such as CAD modeling, material selection, structural analysis, and vehicle dynamics optimization.
- **Objective:-** To build a robust, high-performance ATV that meets BAJA SAEINDIA's technical standards while excelling in durability, maneuverability, and endurance challenges.
- **Outcome:-** Successfully developed a functional prototype showcasing innovative design, enhanced suspension geometry, and proved powertrain efficiency, aligning with competition requirements and achieving key performance milestones.

Electric Go Kart December 2022 to February 2023

- **Description:-** Collaborated with a multidisciplinary team to design, fabricate, and assemble a high-performance go-kart for the AIRC 2024 competition. Focused on enhancing vehicle performance, safety, and durability while adhering to competition guidelines.
- **Objective:-** To develop a robust and efficient go-kart capable of excelling in acceleration, endurance, and maneuverability events, showcasing engineering skills and innovative design solutions.
- **Outcome:-** Applied CAD design, material selection, and machining techniques to achieve optimal results & secured AIR 2nd overall racing.

Courses:-

- AutoCAD from Udemy
- ARC Global in Automobile Engineering and Design.
- ANSYS Workbench from ELEATION

Achievements

- AIR 2 MMR in Aravalli Terrain Vehicle Championship as a **Team Manager** of Team Moonriders.
- AIR 2 Overall in Auto India Racing Championship (E-Kart) as a **Vice-Captain** of Team Moonriders.
- Convert of IC engine Bike into Electrical Vehicle.
- **Languages Known:** English: Fluent, Hindi: Native.
- **Hobbies & Interests:** Playing Chess: 1600+ Rating on chess.com, Reading Self-Help Books.
- **Willingness to Relocate/Travel:** For work, open to site-based roles across India.
- **Soft Skills:-** Strong Communication Skills, Teamwork, Multitasking, Easy Adaptation, Analytical Problem Solving.