

Deva Anand N

Senior Mechanical Engineering Student

A final-year Mechanical Engineering student with substantial hands-on experience gained through years of project work and academic work. Good grounding in design-oriented principles and extensive experience in chassis construction, fixture design, and real-time fabrication. A self-starter with good initiative-taking skills, and the ability to absorb new concepts rapidly, and apply practically to engineering challenges. Looking for opportunities in various mechanical domains and to benefit positively through a solution-based and adaptive method. Dedicated towards continuous learning and happy to advance in challenging environments.



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EDUCATION

B.E in Mechanical Engineering (CGPA-8.18)

College of Engineering Guindy

10/2022 - Present

Chennai, India

Class XII with 95.3%

P.K.D Matriculation Higher Secondary School

07/2021 - 04/2022

Pollachi, India

Class X with 96.4 %

P.K.D Matriculation Higher Secondary School

06/2019 - 04/2020

Pollachi, India

PERSONAL PROJECTS

Design and Fabrication of Wear Rate Measurement for Evaluating the Coefficient of Friction (09/2024 - 12/2024)

- Innovated a low-cost alternative to the pin-on-disk setup using gravity-driven perpendicular tool alignment on a lathe for accurate coefficient of friction evaluation.

Fixture Design Projects (04/2024 - 05/2024)

- Designed a fixture setup to hold hydraulic actuator using mild steel, ensuring operational stability and protection during machining processes.
- Modeled a specialized fixture to securely hold a laptop, safeguarding it from cutting fluid exposure and to collect data during CNC operations.

TECHNICAL SKILLS

CAD/CAE:

- CATIA V5(Part Design, Wireframe and Surface Design, Ergonomic Design and Analysis, Assembly Design)
- SolidWorks(Assembly Design, Drafting, API's in Parametric Design, Weldment, Sheet Metal)
- Ansys Workbench(Ls-Dyna Prepost, Fluent, Static Structural)

MECHANICAL:

- Created 3D models based on DFM and DFA principles and also worked in 3D printing models
- Contributed to DFMEA, PFMEA, and DVP to ensure design validation and process reliability

SOFT SKILLS

- Teamwork and Leadership
- Problem Solving
- Initiative and Self learning
- Time Management
- Adaptability

WORK EXPERIENCE

Design Engineer Intern

SDR Auto Private Limited

06/2025 - 08/2025

Pappapakkam, Tiruvallur

SDR Auto is a well experienced trailer manufacturing company which mostly works on defense projects and their OEM as Outrigger Systems.

Tasks

- Developed and optimized outrigger systems, ladder frames for commercial trucks and exposed to defense applications.
- Automated CAD workflows using SolidWorks API, reducing design time by 30%.
- Led assembly sequencing and created detailed BOM and drawing documentation.

Rollcage Lead

TEAM CEG MOTORSPORTS

04/2023 - Present

Chennai, India

Team CEG Motorsports, with 19+ years in BAJA SAE, designs and fabricates ATVs annually, consistently ranking among top teams nationwide.

Tasks

- Led end-to-end rollcage development, from rulebook and anthropometric analysis to prototype validation.
- Reduced fabrication lead time by 20-30% through fixture-based precision setup.
- Maintained timeline and supervised juniors during fabrication with regular knowledge transfer sessions.

Intern Trainee

Ultrafine Automation for Micro Tech Polymers

06/2024 - 07/2024

Coimbatore, India

Ultrafine Automation is a tool-room delivering high-precision moulds and patterns to Micro Tech Polymers, an injection moulding firm specializing in plastic components

Tasks

- Assisted in tool-making standardization using automation techniques.
- Gained exposure to mould flow analysis and process automation in plastic injection moulding.

ACHIEVEMENTS & TECHNICAL OUTREACH

- Delivered a workshop on "Basic Automotive Transmission and Powertrain" as a speaker under the Xceed program at Bannari Amman Institute of Technology and Kongu Engineering College.
- E-BAJA 2024 - AIR-4, Best Debutant Team, 1st Runner-Up in Manuverability, 2nd Runner-UP Sledge-Pull
- MEGA ATV 2025 - AIR-1, 1st in Night Endurance, 1st in Dirt Race, 1st Runner-Up in Drag Race