

U SANJAY RAO

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CAREER OBJECTIVE

An engineering student passionate about multidisciplinary aspects of engineering and seeking to explore innovation and technology in the rapidly evolving industrial world. Worked with mechanical and software engineering projects and looking out to explore more in multi-domain careers and to give my best to the growth of the institution and self.

EDUCATION

Qualification	School/College	Board/University	Year of passing	Percentage/CGPA
Mechanical Engineering	NMAM Institute of technology	VTU, Belagavi	2023	9.03
PUC	RNS PU college, Kundapur	Karnataka state Pre-University board	2019	93.17%
10th	Sandeepan English Medium School, Nagoor	Karnataka Secondary Education Examination Board	2017	92.8%

INTERNSHIPS

1. L&T Construction Equipment Limited, Doddaballapur Jul – Aug 2022

Mechanical Engineering Intern

- During internship got to experience the mechanical and automotive assembly line and various processes involved in manufacturing a product.
- Worked on design of a trolley to mount the wheel of the Pneumatic tire roller and an Allen tool for the torque wrench.

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2. Elite Techno Groups

Aug 2021 - Sep 2021

Electric vehicle project intern

- Learnt about the various components of an Electric Vehicle. Battery packs and Battery Management System (BMS). Case study on Mahindra E20 plus and Ather 450X.
- Worked on battery pack modelling using MATLAB SIMULINK software.

3. Exposys Data Labs

Jul 2021 – Aug 2021

Web development project intern

- Developed a locally host video calling web app using Django and Frontend technologies.
- In the process of development learnt about sockets in web, WebRTC and mediatransfer through web.

CERTIFICATIONS

Introduction to Self-Driving Cars – Coursera	- May 2022
Certified SolidWorks Associate (CSWA) - Dassault Systems	- Aug 2021
Introduction to Digital Manufacturing and Design - Coursera	- Jul 2021
Introduction to Mechanical Engineering Design and Manufacturing using Fusion 360 - Coursera	- Jul 2021

TECHNICAL SKILLS

- Mechanical 3D modelling - SolidWorks, Fusion 360, Creo Parametric
- FEA Analysis - Ansys
- Python programming
- Web design and development (UI/UX, HTML, CSS, JavaScript ES6)
- Graphic design (Adobe Photoshop, Figma)

PERSONAL SKILLS

- Leadership
- Creative thinking
- Teamwork
- Design thinking
- Communication skills

PROJECTS

Design and Analysis of Unmanned Aerial Vehicle (UAV) – Academic mini-project

Design and development of webpage for Robotics Club Nitte – Personal project

PERSONAL DETAILS

DOB: 15 August 2001

Nationality: Indian

Language: English (Full Professional Proficiency), Hindi (Professional Working Proficiency), Kannada (Native / Bilingual Proficiency)