

PRAJYOT VIKAS BALSARAF

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A / P - Sangamner, Tal - Sangamner , Dist- Ahilyanagar 422605

CAREER OBJECTIVE :-

As an Mechanical Engineering student, to work in an organization that provides exposure and opportunities to grow in my skills and career, seeking to work under challenging and growing environment that offers professional growth while being resourceful, innovative and flexible.

EDUCATIONAL QUALIFICATION :-

Amrutvahini College Of Engineering, Sangamner

Oct 2023 - Present

- Bachelor of Engineering in Mechanical Engineering
- CGPA _ First year : 6.68 , Second year :6.76, Third year: persuing

Dr. D. A. Ohara Junior College, Sangamner

June 2021 - April 2023

- HSC
- Percentage : 60 %

B.G.P Sahyadri Vidyalaya , Sangamner

June 2020 - April 2021

- SSC
- Percentage : 85%

INTERNSHIP :-

Oct-Dec 2025

EV Power Train Architect : Design and Simulation Virtual Internship

- An EV Powertrain Architect designs the complete electric propulsion system (motor, battery, inverter, control) using **simulation tools like Ansys, MATLAB/Simulink, Siemens Simcenter** to optimize performance, efficiency, and integration, focusing on system-level modeling, multiphysics analysis, and real-world validation for rapid development and high-performance electric vehicles.

PROJECTS :-

1. Moisture based Smart Irrigation System –

Jan-April 2025

Monitor Soil Moisture Levels:To continuously measure the moisture content in the soil using sensors. Automate Irrigation Process:To automatically control the water supply to the crops based on real-time soil moisture data. Conserve Water Resources:To minimize water wastage by ensuring that irrigation occurs only when necessary. Etc.

2. Plastic Waste Management –

Sep-Dec 2024

The main aims of plastic waste management are to minimize pollution, protect ecosystems, conserve resources, and promote health by reducing plastic in landfills and oceans through strategies like the 3Rs (Reduce, Reuse, Recycle), promoting circularity (designing for reuse/recycling), improving collection/sorting, developing better recycling technologies, and enforcing producer responsibility.

CERTIFICATION :-

1. Design and Manufacturing of BIW Welding Fixtures for Automobile Industries workshop, IFS Academy.
2. Employability Skill Training Program - By Aspiring Career LLP Pune in Association with Sarathi Foundation.
3. Completed NPTEL Courses: Speaking Effectively, Entrepreneurship & IP Strategy.
5. Completed a virtual internship on EV POWER TRAIN ARCHITECT : DESIGN & SIMULATION from Eduskill.
6. Completed a virtual internship on INDUSTRIAL AUTOMATION from Eduskill.
7. Advance Aircraft Design Technology Workshop, hosted by BHARAT SPACE EDUCATION RESEARCH CENTER.

EXTRACURRICULAR ACTIVITIES :-

- Vice-President - Mechanical Engineering Students Association June 2025 – present
Lead events, workshops, and industrial visits; managed student engagement.
- Active Member, Mechanical Engineering Students Association July 2024 – Present
Managed documentation, event planning, and communication.
- Active Member, National Service Scheme Jan 2025 – Present
Actively involved in social service activities.

SOFT SKILLS :-

Leadership, Critical Thinking, Communication, Problem Solving, Team Management

TECHNICAL SKILLS :-

Basics of PTC Creo, CATIA,

LANGUAGES :-

Fluent : Marathi, English, Hindi

Basic Proficiency : Japanese (N5 level persuing)

HOBBIES & INTERESTS :-

Trekking, Travelling, Outdoor Sports - Cricket (U14/17 Captain of School & College), Football etc.