

ONKAR UMAKANT NAVINDGIKAR

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CAREER OBJECTIVE

Mechanical Engineering graduate with hands-on experience in CAD modelling, solar-powered systems, and sustainable product design. Proven leadership in national-level competitions and expertise in SolidWorks, AutoCAD, and CATIA. Passionate about innovative, eco-friendly engineering solutions

QUALIFICATION

Qualification	Year	School/College	University/Board	Marks
B. Tech	2026-27	N. K. Orchid College of Engineering and Technology, Solapur	Dr. Babasaheb Ambedkar Technological University, Lonere	Pursuing
T.Y.B.Tech.	2025-26			7.40 CGPA
S.Y.B.Tech.	2024-25			7.14 CGPA
F.Y.B.Tech.	2023-24			7.02 CGPA
HSC	2022-23	Sangmeshwar College of Arts and Science, Solapur	Maharashtra State Board of Secondary and Higher Secondary Education	58.90%
SSC	2021-22	H.D. High School, Solapur		86.60%

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: C, C++.

SOFTWARE: AutoCAD, SolidWorks, CATIA V5, ANSYS R2, Microsoft Office, Excel.

Manufacturing & Fabrication: Manual Machining Precision Joining, Assembly

PROJECTS

- Design & Analysis of an Automated Solar-powered Seed Germination Chamber with IoT Integration for Sustainable Farming.
- Design And Fabrication of Solar Powered Vehicle. (ISIE India- ESVC)
- Development and characterization of natural Fiber composite with perforated core for low velocity impact application. (On going)
- Design and Development of Smart Stick for Blind Navigation

TRAINING/CERTIFICATIONS

CATIA V5 Workshop – Apex Tech Centre

- Successfully completed a hands-on workshop focused on CATIA V5, gaining skills in 3D modelling, part design, and drafting for mechanical applications.

Aptitude Training – APT-Tech

- Strengthened logical reasoning, quantitative aptitude, and analytical thinking through structured problem-solving modules.

Workshop on Solar ready engineer

- Gained knowledge of solar panels, sensors, and IoT systems, focusing on their integration for smart and sustainable applications.

Certified solar ready engineer in fundamental automobile design (FAD)

- Certified as a Solar Ready Engineer with foundational knowledge in Fundamentals of Automobile Design (FAD), focusing on sustainable and efficient system design.

Certified solar ready engineer in Advanced automobile design (AAD)

- Certified as a Solar Ready Engineer with advanced knowledge in Advanced Automobile Design (AAD), emphasizing energy-efficient and sustainable vehicle systems.

Certified in AutoCAD (2D/3D drafting)

- Learned 2D drafting, basic 3D modelling, and preparation of engineering drawings using AutoCAD
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CO-CURRICULAR ACTIVITIES

Chassis Team Member, ESVC (Electric Solar Vehicle Championship) Team.

- Led the design, manufacturing, and testing of the chassis for the electric solar vehicle
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INTERPERSONAL SKILLS

- Leadership & Project Management
 - Team Collaboration & Coordination
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HOBBIES

- Listening songs.
- Community Work
- Travelling