

Ishaan Sanjay Solankar

Persu in g Mechanical Engineering

OBJECTIVE

“Aspiring mechanical engineer with a strong passion for design and research & development, seeking an opportunity to apply my technical knowledge and creativity in product design, analysis, and innovation.”



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DOB 09 Aug 2005



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ACADEMIC PROFILE

B.Tech in Mechanical Engineering (Major)

Year: Third Year (T.Y)

Government College of Engineering, Karad

CGPA: 9.23

HSC

St. Arnold’s Central School,Pune (CBSE)

Percentage: 81%

SSC

St. Arnold’s Central School,Pune (CBSE)

Percentage: 91%

SOFT-SKILLS

Team building

Leadership

Quick Learner

Time Management

TECHNICAL-SKILLS

3D Printing- Slicing, and print preparation

SOFTWARE PROFICIENCY

CAD- Auto CAD | SolidWorks

CAE -Ansys (CFD)

Material Selection-Ansys Granta

Editing -Canva |Microsoft

Word | PowerPoint | Excel

HOBBIES

Realistic sketches

Playing Instruments

Reading Books

Yoga

CERTIFICATIONS

ERP-SAP (Material Management Module)

SAE-HBAJA 2025

AAVISHKAR (IDEATHON) 2025

AUTOCAD (Acmegrade)

PROJECT

Design of Modified 3-Way Catalytic Converter

Role: Team Leader

Tools Used: AutoCAD, Solidworks, GT SUITE

Description:Our design enables the catalytic converter to reduce NOx emission up to 70% keeping the cost minimum compared to conventional catalytic converter.

INTERNSHIP

Prasahityuta Technologies (Hadapsar, Pune) (June 2025 - July2025)

Assisted in the design, fabrication, and testing of API Plan seal support systems in accordance with API standards.

Gained hands-on exposure to mechanical seal systems, including Plan 11, Plan53B, and others.

CO-CURRICULAR

SAE H-BAJA (AIR 5 OVERALL)

Role: Chassis Member | Ansys Granta

Tools Used: Ansys Granta | SolidWorks | ANSYS

Description: Designed and developed an all-terrain vehicle (ATV) powered by fuel. Conducted performance simulations and durability tests to enhance vehicle efficiency and structural integrity.

(SPECIAL ACHIEVEMENTS)

AIR-1 for Efficiency Test in SAE-HBAJA 2025 in INDORE

EXTRA-CURRICULAR

NATIONAL CADET CORPS

Role: NCC SECRETARY

Battalion: 19MAH BN NCC KARAD

Visharad (Graduation First Year)

Instrument: Tabla

Mechanical Student Association

Role:Technical Event Head

Aavishkar Sponsorsip Team

ACHIEVEMENTS

Rank-1 in Aavishkar 2025 (Ideathon) National Level Event

NCC Secretary (2025-26)

Achived 2nd Rank in Academics (First Year).

Yoga (Gold Medalist) Invictus 2024.

Yoga Interzonals