

AMRARAJ PARAG SAWANT



Room No. 3072, Irrigation Colony, Satara, Maharashtra – 415003

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OBJECTIVE

To secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the organization.

EDUCATION

Degree	Institution	University/Board	Year	Percentage	Class
M.Tech (Thermal & Fluids Engg.)	Dr. Babasaheb Ambedkar Technological University, Lonere	DBATU	2019	76.40%	Distinction
B.E. (Mechanical Engineering)	K.B.P. College of Engineering, Satara	Shivaji University	2015	69.00%	Distinction

TECHNICAL SKILLS

Design & Analysis Software: AutoCAD, CATIA V5, CREO 2.0, ANSYS Fluent 14.0

Programming: C++

Tools Knowledge: AVL AMA i60, CVS i60, HFID, AVL Fuel Balance, HORIBA CO2 Analyzer, AHU

PROFESSIONAL EXPERIENCE

- Assistant Professor
Dr. Babasaheb Ambedkar Technological University, Maharashtra
Sep 2024 – Present
- Teaching UG and PG subjects: Heat Transfer, Renewable Energy, Advanced I.C. Engines

- Designed NEP-2020 aligned syllabi, assessments, and lesson plans
- Project Associate-I
CSIR – Indian Institute of Petroleum, Dehradun
Jan 2021 – Mar 2022
 - Emission testing for fuel blends (including waste cooking oil-based gasoline)
 - Equipment handling and calibration: AVL iCAL, CVS, LFE, CFO
 - Report preparation for vehicle emissions and performance metrics
- Design Engineer Trainee
Radiant Tools, Maharashtra
Jun 2015 – Jul 2017
 - Designed thread cutting dies (ISO 8830:1991)
 - Created drafts using AutoCAD
 - Resolved customer issues and collaborated with production

ACADEMIC PROJECTS

M.Tech Project

- Title: Design of Air Jet Ejector for Supersonic Outlet
- Tools: ANSYS Fluent
- Outcome: Simulated supersonic outlet ejector design

B.E. Project

- Title: Design and Manufacturing of Rake Angle Grinding Machine
- Focus: Custom rake angles for thread cutting dies

CERTIFICATIONS

AutoCAD

C++ Programming

CREO 2.0