



BRIEF SUMMARY

Innovative and detail-oriented Design Engineer with two months of experience in conceptualizing, designing, and implementing complex engineering solutions. Proficient in CAD software, including SolidWorks, and skilled in managing the complete design lifecycle from ideation to prototyping. Demonstrates a strong understanding of engineering principles and material science, with a proven track record of delivering high-quality designs that meet client specifications and industry standards. Adept at collaborating with cross-functional teams to drive project success and optimize product performance.

KEY EXPERTISE

Design and Analysis Problem Solving Prototyping Projects Management Collaboration Communication SolidWorks
Engineering Fundamentals Computer Literacy Analytical Thinking Adaptability Excel AutoCad

EDUCATION

MIT Academy of Engineering, Pune 2021 - 2025
B.Tech. - Mechanical Engineering | CGPA: 7.42 / 10

KET'S V.G. Vaze College of Arts, Science and Commerce, Mumbai 2021
12th | Maharashtra State Board of Secondary and Higher Secondary Education | Percentage: 87.66 / 100

A.B.Boys Highschool Chalisgaon, Chalisgaon 2019
10th | Maharashtra State Board of Secondary and Higher Secondary Education | Percentage: 87 / 100

INTERNSHIPS

Force Motors Ltd | Automotive / Ancillaries / Automobile 01 Mar, 2025 - Present
Marketing Internship

Key Skills:

Marketing knowledge Sales skills Communication skills Interpersonal skills Analytical skills
Automotive industry knowledge Digital marketing skills Data analysis tools Time management skills Teamwork skills

Force Motors Limited is a leading Indian automobile manufacturer of commercial vehicles, tractors, and personal vehicles. As a Sales and Marketing Intern, I'll assist in market research, strategy development, and promotional events, gaining industry experience and skills.

TrumpCAD Technologies Pvt Ltd | Manufacturing / Core 17 Jun, 2024 - 17 Aug, 2024
Design Engineer

Key Skills: CAD CAD/CAM Solidworks

Develop and refine CAD models and prototypes for engineering projects.
Collaborate with teams to ensure design accuracy and project success.
Apply CAM and CAE tools for process optimization and detailed analysis,
Create technical documentation and support design enhancements.

PROJECTS

Optimized Air Conditioning System Design for Data Centers." 11 Sep, 2024 - 16 Dec, 2024

Mentor: Prof. S.G.Mushan | **Team Size:** 4

Key Skills:

Airflow Modeling &Simulation Thermal Management Sustainability Data center operation Energy Efficiency
Project Management

"Optimized Air Conditioning System Design for Data Centers" involves designing an energy-efficient, reliable, and cost-effective cooling system to support data center operations.

IOT Based Solar Grass Cutter

Mentor: Dr.Maya Charde | **Team Size:** 3

Key Skills: IOT Integration solar energy system Autonomous Navigation safety mechanism safety protocols

An IoT-based solar grass cutter uses solar power and smart technology to automatically and efficiently cut grass.

Design And Prototype of E-Bike

Mentor: MR. ASHWIN S. CHANDORE | **Team Size:** 3

Key Skills: Market research product design prototyping Creative Problem Solving CAD Proficiency

I researched e-bikes, designed sketches with a focus on style and function, selected key components like the motor, power, and battery, and led prototyping to refine the design based on feedback.

SOLAR PANAL CLEANING SYSTEM

Mentor: Prof. A.S.Chandore | **Team Size:** 3

Key Skills: Design project management Troubleshooting Safety protocols Prototype

A solar panel cleaning system automatically removes dirt and debris to boost efficiency, using brushes, water jets, and sensors without manual effort.

ASSESSMENTS / CERTIFICATIONS

Skill Development And Entrepreneurship Department

Aggregate: 92 / 100

Key Skills: Electrical Technology

Maharashtra State Council of Vocational Training

Maharashtra State Certificat in Information Technology

Aggregate: 82 / 100

Key Skills: Word ,Excel,PowerPoint etc.

Solidwork

Key Skills: Sketch Solid Modeling Assembly Surfacing Sheetmetal Drafting

Completed coursework on SolidWorks, focusing on 3D modeling, assemblies, and technical drawings. Gained skills in parametric design, simulations, and integration with engineering tools. Applied knowledge to design and refine mechanical components and assemblies.

Automation in Manufacturing

Aggregate: 45 / 75

Key Skills: Automation in Manufacturing

SEMINARS / TRAININGS / WORKSHOPS

SOLIDWORKS Institute Name: Milestone institute of Technology

22 Jun, 2024 - 22 Aug, 2024

Key Skills: Part Design Assembly Advance Surfacing Sheet Metal Extra Features

The Complete Hydraulic Course

01 Oct, 2023 - 12 Oct, 2023

Institute Name: udemy

Key Skills: Understand Fluid Power ,Various Components of Hydraulic,Function of circuit

Evaluate different industrial applications of Hydraulic systems,Troubleshooting of Hydraulic systems

Startupindia Learning Program

12 Aug, 2023 - 12 Sep, 2023

Institute Name: upGrad

Key Skills: Startup

CO-CURRICULAR ACTIVITIES

- o Class representative of 2nd Year
- o Class representative of 3rd Year

EXTRA CURRICULAR ACTIVITIES

- General Secretary MITAOE
- MESA TREASURER
- ISHRAE MEMBER
- ROTRACT CLUB MEMBER

PERSONAL INTERESTS / HOBBIES

- Cad Modeling
- Playing Cricket
- Driving Bikes&Cars

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Near MITAOE ,Vishweshwar Nagar, Dehu Phata, Alandi, Pune, Maharashtra, India - 412105

Emails: vivek.chavan@mitaoe.ac.in , 25chavanvivek@gmail.com

Date of Birth: 25 Apr, 2003

Known Languages: Marathi English Hindi

Permanent Address: Khade Niwas, Zhanje Nagar., Lokmanya Nagar Pada No.3 Thane (W)Thane., Thane, Maharashtra, India - 400601

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