THITE OM SHAHAJI
B.Tech. - Mechanical Engineering
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Pune, Maharashtra, India - 412105

MIT | Academy of Engineering
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

KEY EXPERTISE

HTML   CSS   JAVA SCRIPT   PYTHON   MY SQL   AUTOCAD   CATIA   FUSION 360   ANSYS FLUENT

EDUCATION

MIT Academy of Engineering, Pune	2021 - 2025
B.Tech. - Mechanical Engineering | CGPA: **7.79** / **10**	

SVERI's College of engineering (Poly), Pandharpur	2022
Diploma | Diploma - Mechanical Engineering - Mechanical Engineering | MSBTE | Percentage: **81.03** / **100**	

Kai . Shankarao Bajirao Patil Higher Secondary School, Angar	2019
10th | SSC | Percentage: **81.60** / **100**	

PROJECTS

Electric Vehicle Battery Cooling System   01 Aug, 2023 - 01 May, 2025
Mentor: Dr. Ganesh Shete   \| **Team Size:** 4

Key Skills: Catia   Ansys Fluent

An EV battery cooling system with liquid cooling keeps the battery in an electric vehicle from getting too hot. It works like this there are tubes filled with liquid that run near or around the battery cells. When the battery starts to get too warm, the liquid flows through these tubes, absorbing the heat from the battery and carrying it away. This helps the battery stay at a safe temperature, which is important for its performance and longevity. Think of it like a cool drink on a hot day – it helps keep things from overheating.

Online learning Website   01 Jan, 2024 - 01 Mar, 2024
Team Size: 1

Key Skills: HTML   CSS   Java Script

Project Link: https://omthite.github.io/html.-Futuer-of-Education/

Design Prototype Robot   01 Aug, 2023 - 31 Dec, 2023
Mentor: Prof. Satyajit Chinchodkar   \| **Team Size:** 4
A welcome robot's working process involves sensors to detect human presence, facial recognition or other methods to identify individuals, and a programmed response system. When a person is detected, the robot recognizes them, welcomes them using predefined messages or generated responses, and may provide information or assistance based on its capabilities.

Smart Stick For Blind Person   01 Jan, 2023 - 01 May, 2023
Mentor: Pro. Amol Kolhe   \| **Team Size:** 4
The report details a project aimed at developing a Smart Stick to assist blind individuals with navigation and obstacle detection. It incorporates ultrasonic sensors, water sensors, and a Node MCU controller to detect obstacles and alert the user through vibrations and audio signals.The smart stick is designed to enhance the independence and mobility of visually impaired persons, allowing them to navigate without human assistance.

Pedal operated washing machine   31 Mar, 2021 - 31 Mar, 2022
Mentor: Prof. Swapna Vasekar   \| **Team Size:** 4

Key Skills: Catia   Manufacturing operations

Innovated a pedal-operated washing machine, enabling manual washing through foot pedal motion, reducing energy consumption and promoting sustainability. Offers a cost-effective, eco-friendly laundry solution ideal for off-grid or resource-constrained environments.

ASSESSMENTS / CERTIFICATIONS

Hydraulic Course

Key Skills: valves   Hydraulic Circuit

Web Development

Key Skills: HTML CSS JAVA SCRIPT MY SQL

Catia V5

Key Skills: PART DESIGN DRAFTING ASSEMBLY GENRATIVE SHAPE DESIGN SHEET METAL SKETCHING

ANSYS

Key Skills: FLUENT STATIC STRUCTURE

PERSONAL INTERESTS / HOBBIES

- Playing Cricket, Coding.

WEB LINKS

- Other - https://omthite-portfolio.netlify.app/
- Codechef - https://www.codechef.com/users/omthite

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: 103 Dnyandeep Heights , opposie to HP petrol pump Kale Colony , Alandi pune - 412105, Pune, Maharashtra, India - 412105

Email: om.thite@mitaoe.ac.in

Date of Birth: 06 Jun, 2003

Known Languages: Marathi , Hindi , English

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