Sairaj Mangesh Shinde

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Address: Mumbai, Maharashtra, India

Skills & Languages

Technical: CNC programming, Autodesk Fusion 360, Autodesk AutoCAD, Solidworks, CATIA V5, Autodesk Inventor, Ansys, Festo Fluid Sim, Six-sigma white belt, Chitubox, 3D slicer and Ultimaker cura.

Software: Python, C, C++, PHP, MySQL, JavaScript, HTML, CSS, Microsoft office 365, Digital marketing, Arduino coding and MATLAB.

Languages: English, Japanese (N5 Certified) Hindi and Marathi.

Education

VIVA Institute of Technology
BE, Mechanical Engineering. CGPI: 8.68/10.0

Graduation date: May 2025

Annashaeb Vartak College of Science
HSC, Science. Percentage: 92%

Pass date: March 2021

Kanchan High School
SSC, Percentage: 84%

Pass date: March 2019

Internship Experience

H. Ikeuchi Co. & Ltd.

Duration: August 2023 to September 2023

Role: Overseas business intern

Responsibilities: Conducted market research and analysis for USA, India and China. Designed and planned new marketing campaigns. Selected under METI Japan internship program 2023 as an intern in overseas business department at H. Ikeuchi co. & ltd.

Mechlab Innovations

Duration: June 2023 to July 2023

Role: Mechanical Engineering intern

Responsibilities: Conducted research and designed machine components utilizing machine design concepts, SolidWorks, AutoCAD and Fusion 360.

Unievents Services Pvt Ltd.

Duration: January 2023 to January 2023

Role: CAD designer intern

Responsibilities: Created 3D models using 3ds max and Solid works, 2D drafting of models using AutoCAD for exhibition event stalls.

Projects

Portable UV water sterilizer.   **Date:** June 2022 – May 2023

Role: Project leader

Project information: A portable, cheap and fast water sterilizing device to kill all bacteria in water while consumption. It can be fixed on water bottles.

Team achievements:

1. Ranked 35th among 700 projects in CIIA-2 exhibition 2023, Received 3 funding offers.
2. First rank in technical paper presentation competition by ISHRAE,2024.
3. Top 24 in OIST Innovation Accelerator Program among 600 projects.
4. 2nd Rank in Clean and Innovative Technology competition by Vasai-Virar City Municipal Corporation, 2025.

IOT-Based Earthquake Detection System   **Date:** June 2023 – May 2024

Role: Project leader

Project information: An earthquake detection system to detect earthquake earlier and send alert to citizens along with a smart navigation system android application.

Team achievements:

1. First rank in national Jana Kalyan Hackathon, 2024.
2. Special prize in Polarizer, 2024.
3. First prize in MechXplore Exhibition, 2024.

IOT & Blockchain Based Decentralized AC Management System for Predictive Maintenance

Role: Project Leader

Project Information: A smart predictive maintenance system for centralized AC systems powered with blockchain to automate maintenance and diagnosis of AC systems along with a web platform.

Team achievements:

1. Funded by ISHRAE under SRPG-UG 2025.

Achievements

1. 2nd rank at national yoga and mantra chanting championship, Jabalpur, 2016.
2. 3rd rank at national ardubotics robotics workshop, MIT ADT university Pune, 2023.
3. Secretary, ISHRAE VIVA-Tech Student Chapter 2023-24.
4. Deputy General Secretary, Student Council, VIT 2024-25.
5. President, ISHRAE VIVA-Tech Student Chapter 2024-25.
6. 1st rank Awaji Kizuna Challenge, Awaji, Japan, 2024.
7. Top 7 in Youth Changemaker Fellowship Program, Pride Circle, Mumbai, 2023-24.