

BRIEF SUMMARY

An enthusiastic engineering student who is disciplined, hardworking, self-motivated, and is capable of using technical skills for progress of both, self and the organization.

KEY EXPERTISE

Embedded C PCB Design PLC Programming SCADA 3D Modeling Report Writing Interpersonal Skills

EDUCATION

MIT Academy of Engineering, Pune

2019 - 2023

B.Tech. - Electronics and Telecommunication Engineering | CGPA: **7.13 / 10.00**

Shri Hanumantrao Chate College Of Science

2019

12th | MSBSHSE | Percentage: **74.31 / 100.00**

Saraswati English Medium School, Koregaon., Koregaon

2017

10th | MSBSHSE | Percentage: **89.60 / 100.00**

INTERSHIPS

Dronieum Aerial Solutions Pvt. Ltd.

01 May, 2022 - 30 Jun, 2022

Intern

Key Skills: Aerodynamics 3D Modeling Report Writing Powerpoint Product Design

Worked in aerial photography, videography. Building drones, static, control line and RC aeromodels.

PROJECTS

Ayurvedic Body Type Guide

01 Jan, 2023 - 31 May, 2023

Mentor: Mrs. Vaishali Katkar | **Team Size:** 1

Key Skills: HTML CSS Javascript MySQL PHP

A website which gives diet plans to user based on user's body type. The body type is guessed by answering few simple questions.

Bird Divertor Installation Mechanism

01 Mar, 2022 - 31 Dec, 2022

Mentor: Mr. Dhananjay Dhamale | **Team Size:** 2

Key Skills: Aerodynamics Actuators RFID 3D Modeling Report Writing

A drone based bird divertor installation mechanism is to be built.

Robust estimation of SOC & SOH of Li-ion Battery

01 Aug, 2021 - 31 Oct, 2022

Mentor: Mrs. Vaishali Katkar | **Team Size:** 4

Key Skills: Machine Learning Electric Vehicles Battery 3D Modeling MATLAB Report Writing Powerpoint

We developed a data logger to get battery parameters which we used to estimate SOC & SOH of Li-ion battery for use in EV

Footstep Power Generator

01 Aug, 2020 - 31 May, 2022

Mentor: Mr. Hitesh Lodha | **Team Size:** 4

Key Skills: Arduino Embedded C PCB 3D Modeling Report Writing Powerpoint Piezoelectric

We worked on concept of piezoelectricity for generating electricity from footsteps.

ACHIEVEMENTS

- SAE ADC 2022 - Best Design Report - AIR 02
- SAE ADC 2022 - Overall - AIR 05
- SAE ISS Baja 2022 - Go Green - AIR 02
- SAE ISS Baja 2022 - Overall - AIR 19

- All India Vayu Sainik Camp 2022 - Best Air Contingent (RC Aeromodellor)
- SAE ISS Baja 2021 - Go Green - AIR 02
- SAE ISS Baja 2021 - Overall - AIR 15
- State Level Swimming - 50m & 100m Freestyle, 50m Breaststroke, 4x100m Freestyle relay - 2011 to 2018
- Division Level Yogasan & Mallakhamb - 2015 to 2017

SEMINARS / TRAININGS / WORKSHOPS

Zensar ESD Program Institute Name: Zensar Technologies Pvt. Ltd.

01 Jan, 2021 - 25 Jun, 2023

Key Skills: PL/SQL SQL DBMS Java Advanced Java Communication Skills

Employability Skill Development program by Zensar Technologies Pvt. Ltd.

CO-CURRICULAR ACTIVITIES

- Aeromodelling Club - Team MIT Aero
- Autosports Club - Team Niyudrath Racing

EXTRA CURRICULAR ACTIVITIES

- NCC - 3 Maharashtra Air Squadron

PERSONAL INTERESTS / HOBBIES

- Aeromodelling
- Swimming
- Yogasan & Mallakhamb

WEB LINKS / IMs

- WhatsApp - 9075341243
- LinkedIn - <https://www.linkedin.com/in/harshwardhan-barge-988749175>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Dehu Phata, Alandi (412105), Pune, Maharashtra,
India - 412105

Emails: hvbarga@mitaoe.ac.in , bargeh22122000@gmail.com

Date of Birth: 22 Dec, 2000

Known Languages: English, Hindi , German & Marathi

Phone Number: +91-9075341243