



Omkar Sawant

Software Engineer

My Contact

✉ omkarsawant20HG@gmail.com

☎ +91 7715992074

📍 Navi Mumbai, Maharashtra

🐙 <https://github.com/OmieSawie>

🌐 <https://www.linkedin.com/in/omkar-sawant-836638187/>

🔗 <https://codeforces.com/profile/OmieSawie>

Hard Skills

- C++ (Competitive Programming)
- Full Stack Web Development
 - (MERN Stack) JavaScript and TypeScript
 - NodeJS (Express)
 - ReactJS
 - MongoDB
 - Docker
- C++ (OpenCV and Nvidia CUDA)
- Git / Github
- Python
- Linux (Debian and Arch)
- Lua
- Android Development (Kotlin)
- Microcontroller Programming

Soft Skills

- Observation
- Decision making
- Time Management
- Communication
- Multi-tasking

Education Background

- **IIT Bhubaneswar**
 - Secured AIR 12,607 in JEE Adv 2020
 - Currently pursuing Dual Degree
 - **BTech in Civil Engineering** and MTech in Environmental Engineering)
 - 2020-2025 (Currently in 3rd Year)
- **Pace Junior Science College, Nerul**
 - 11th and 12th Grade
 - Passed HSC 12th Grade board Examination with 84.9%
 - 2017-2019
- **Fr. Agnel Multipurpose School, Vashi**
 - 1st-10th Grade
 - Passed SSC 10th Grade Board Examination with 92.4%
 - 2007-2017

About Me

I am a passionate engineering student with interests, particularly in Web Development, Software Development and Robotics. Hence, I have made multiple projects in these fields which are pushed to my Github.

I have actively contributed to tech events and competitions in my college and I have participated in various global competitions.

Technology excites me, so, It has been my passion to explore the field of technology irrespective of my academic background.

Professional Experience

Intern @ eYantra IIT Bombay (eYSIP 22)

June-July (2 Months)

Key responsibilities:

- Implement an Autonomous Robot on a Raspberry Pi 3B
- Use Computer Vision for Image Detection and Navigation
- Socket Programming for Inter-Communication between the bots
- Optimising the code and performance using multi-threading
- Obstacle Avoidance and Path Planning.

Projects:

- Community Center Booking System (CCBS) -
 - A website to book the Community Center in our college. Built on **ExpressJS** and **React** with **MongoDB** as a database.
- HowdyOmie -
 - An interactive Discord Bot built using **DiscordJS** which can give server updates, play audio, host polls, etc.
- WhatsappClone -
 - A WhatsApp clone built on **React/Express** with **MongoDB**. One can **send messages, audio/video/pdf files**, with a proper GUI frontend for each functionality.
- BlogSpace -
 - A Blog/Discussion Forum built on **Apollo-GraphQL**.
- A Walk In The Park -
 - A **3D platform game** built on **Arduino Uno** and a TFT Display.
- JLR CCS Socket Detection -
 - An **openCV-python** program using image detection.
- SLAM_Photogrammetry (Ongoing)-
 - A **stereo-photography** tool to generate 3D models from video frames written in **C++** using **OpenCV** and **Nvidia-CUDA**

Achievements

eYRC 2021-22

Ranked 6th in India in eYantra Robotics Competition, a 6 month long Robotics Competition, conducted by IIT Bombay.

Hacktoberfest 2022

Successfully completed Hacktoberfest 2022 by making 4 PRs in web-domain.

Inter-IIT Techmeet 11.0

Competed in the Inter IIT Techmeet 11.0 Jaguar Land-Rover PS, to achieve 10th Pos.