

Rishabh Karpe

India | +91 8591234021 | karperishabh@gmail.com | [LinkedIn](#)

EDUCATION

KJ Somaiya College of Engg.
BTech in EXCP

Mumbai, Maharashtra
Graduation Date: May 2026

WORK EXPERIENCE

Improsys

Intern

Pune, Maharashtra

May 2024 - Jun 2024

- Learned about automation and made a energy saving project

Ecesa Council

Creative Head

Mumbai, Maharashtra

Jun 2024 - Present

- Developed promotional materials: Designed engaging reels, posters, and digital content for events, increasing audience participation and outreach.

PROJECT EXPERIENCE

Groundwater conservation and management Game

SIH 2024

Mumbai, Maharashtra

Sep 2024 - Present

- Used C#. Unity, MongoDB,
- We created an immersive learning experience by blending engaging sound, captivating graphics, animations, and a compelling storyline.

Basic Communication For Paralysed Patients

Internship

Mumbai, Maharashtra

Jan 2024 - Jan 2024

- Used Python Open-CV
- Developed a project using a Raspberry Pi and camera system to track the eye movements of paralyzed patients. When the eyes move in a specified direction, the system triggers basic communication functions via an output device, such as a speaker. This innovation simplifies communication for both the patients and their caregivers, providing essential support for daily interactions

Home Electricity saving using python

Internship

Mumbai, Maharashtra

May 2024 - Jun 2024

- Used Python Open-CV
- This project aims to create a Power-Saving System using YOLOv4 object detection to count the number of people in a room and automatically control electrical switches, such as lights, fans, or other appliances. Using a camera feed, the system continuously monitors the room, detects the presence of individuals, and adjusts the power state of the room based on occupancy.

Smart Healthcare system

PAN IIT Hackathon

Mumbai, Maharashtra

Jan 2025 - Jan 2025

- Implemented user-friendly features that enhanced website engagement by 70%, facilitating real-time data visualization and analysis of DNA sequencing results for end-users.

IoT-Based Farm Automation System

Project

Mumbai, Maharashtra

Jan 2025 - Feb 2025

- Developed an IoT-based automation system for large-scale farms, integrating sensor-driven data collection and real-time monitoring.
- Implemented automated irrigation control, optimizing water usage and minimizing wastage.
- Developed a report generation system, allowing stakeholders to analyze historical data and trends for better farm management.

SKILLS

Skills: HTML5, CSS3, C, C++, Python, Java, Raspberry pi, Automation, MS365

ACHIEVEMENTS & RECOGNITION

- **Winner - PAN IIT Hackathon 2025** (Developed a Smart Healthcare System)