

# Ankit Prajapati

I am aspiring to be a computer science professional with first-hand experience in robotics, and Web & App development. I am seeking an internship opportunity to apply my ability in programming, computer vision, and IoT to innovative projects.

✉ ankitp2412@gmail.com ☎ 7389018024 🌐 <https://www.linkedin.com/in/ankit-prajapati04/>

## WORK EXPERIENCE

### Indore Institute of Science and Technology, Indore Madhya Pradesh

Core Member-Robotics Club 10/2024–present

- Designed autonomous robots integrating OpenCV and image processing for navigation tasks.
- Conducted workshops on ROS and computer vision, training over 30 students.

Core Member-AI Club 10/2024–present

- Organized collaborative projects focusing on ML and Deep Learning.

Conference Coordinator 08/2024–present

- Organized a research conference for the first time at college.
  - Presented a research paper and engaged a panel of experts.
- Education Indian Institute of Technology, Madras Data Science 05/2023–present  
Indore Institute of Science and Technology, Indore Madhya Pradesh  
B. Tech Computer Science Engineering 09/2023–present  
Delhi Public School, Sagar Madhya Pradesh  
PCM+Informatics Practices 03/2021–03/2022  
Delhi Public School, Sagar Madhya Pradesh

## EDUCATION

### Indian Institute of Technology, Madras

Online BS in Data Science 05/2023 – present

### Indore Institute of Science and Technology, Indore Madhya Pradesh

B. Tech Computer Science Engineering 09/2023 – present

### Delhi Public School, Sagar Madhya Pradesh

Higher Secondary CBSE 03/2021 – 03/2022

PCM + Informatics Practices

Higher Education CBSE 03/2019 – 03/2020

## PROJECT

### Saathi: Medicinal Aid for Elderly Safety and Health Monitoring IISF 2024 S&T Hackathon Project

- Developed an advanced medicine dispenser tool for elder care, combining health monitoring, safety features, and caretaker connectivity.
- Built a web and mobile app for seamless connectivity With Medical Dispenser using Flutter. Security System for Institute Watch Tower Hackathon, IIT Roorkee (2024)
- Built a web application using React.js and Next.js, using Modern JavaScript and TypeScript for real-time license plate recognition with a Python-based OCR system.
- Implemented image segmentation and preprocessing techniques, achieving 95% accuracy.

### Text Extract: OCR Web Application

Independent Project (2024)

- Developed a web app using PyTesseract and Streamlit for extracting text from images.
- Improved the interface for batch processing with real-time feedback. Viyomi–Robot IIST Robotics Club (2024)
- Designed and programmed a Raspberry Pi-powered robot.
- Featuring voice modulation and speech recognition capabilities.

### Tower of Hanoi Game

Independent Project (2024)

- Built an interactive Tower of Hanoi game using React.js and Node.js.
- Focused on efficient algorithms and engaging UI design.

### DesktopAssistant (Voice-Controlled AI Program):

Independent Project (2024)

- Created a Python-powered desktop assistant capable of performing tasks via voice commands.
- Integrated features like app launching, Wikipedia search, and multimedia playback.

### Certifications & Achievements

- Recognized for Innovation: Took part in the IISF 2024 S&T Hackathon at IIT Guwahati, earning recognition for developing innovative solutions to real-world challenges.
- SIH 2024: Qualified for the Internal Round of the Smart India Hackathon.
- Hackathon Achievement: Presented the OCR project in the "Watch Tower Hackathon" at IIT Roorkee (2024).
- Guinness World Record Contributor: Took part in the largest online AI lesson (2020).
- Ai For Youth 2020 Winner: 3 Days Workshop conducted by Intel and CBSE.
- Martial Arts Champion: Gold Medal in Kudo (under-16 and under-19 categories).

### SKILLS

- Python, C/C++, Java, JavaScript, React, Arduino Programming, TypeScript fundamentals.
- Frameworks & Libraries:
- OpenCV, ROS, PyTorch, NumPy, Pandas, Matplotlib, Next.js, Tailwind, Firebase, Supabase, REST
- APIs, API, TensorFlow
- Specialized Skills:
- Image Processing, OCR, Computer Vision, Analytical Thinking, Problem-Solving, Analytical Skill.
- Tools & Technologies:
- UI/UX, PyTesseract, Hugging Face, Streamlit, Flutter, Flutter Flow, App Development, Web development, Git/GitHub, RaspberryPi, Microcontrollers, ESP32, IOT, Figma, Canva, Firebase, Supabase