

OM GIRKAR

AI • IOT • DEVELOPER | VIDEO EDITOR



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<https://omgirkar.me>



Mumbai, Maharashtra, India

ABOUT ME

Computer Science student with hands-on experience in building AI-based applications, IoT systems, and modern web interfaces. Skilled in Python, HTML/CSS, and ESP32-based development, with practical projects integrating voice assistants and automation. Also experienced in video editing and content creation, with an eye for clean, engaging visuals. Passionate about building real-world solutions that combine technology and creativity.

TECHNICAL SKILLS

- Languages: Python, Dart, HTML, CSS, JavaScript
- Frameworks/Tools: Flutter, WordPress, Gradio
- AI/Tech: OpenAI API, Whisper (STT/TTS)
- Hardware: ESP32, Arduino, IoT Systems

CREATIVE SKILLS

- Video Editing
- Content Creation
- Basic Graphic Design

DESIGN TOOLS

- Git & GitHub
- cPanel / Web Hosting
- Video Editing
- Alight Motion
- After Effects

EDUCATION

Higher Secondary Certificate (HSC) – Appeared

Expected Result: 2026

ACHIEVEMENTS

- Participated in Computer Science Exhibition
- Built multiple real-world IoT and AI-based projects

ADDITIONAL INFORMATION

- Interests: AI Development, IoT Systems, Web Design, Editing, Creative Works
- Languages: English, Hindi, Marathi

PROJECTS

AVAIA – AI VOICE ASSISTANT WITH IOT INTEGRATION

<https://github.com/omgirkar/Avaia>

- Built a voice-controlled AI assistant using Python and OpenAI API
- Integrated speech-to-text and text-to-speech using Whisper
- Controlled IoT devices like lights and a walking dustbin via ESP32
- Designed a web-based UI for real-time interaction

GUIDEX – SMART BLIND ASSISTANCE SYSTEM

<https://github.com/omgirkar/GuideX>

- Designed a smart stick for visually impaired users
- Used ultrasonic sensors to detect obstacles
- Provided real-time alerts using a buzzer system
- Built as a cost-effective and practical prototype

EXPERIENCE

IT SUPPORT & WEB SOLUTIONS – JUST CLICK

2021 - 2023

- Fixed Windows-related issues and system errors
- Built and managed websites using WordPress
- Handled hosting, domains, and cPanel setup

TECH PROJECT DEVELOPER

Jan , 2025 - March 2025

- Built AI and IoT-based applications solving real-world problems
- Integrated hardware (ESP32, sensors, motors) with software systems
- Developed user interfaces for interactive control systems
- Built user interfaces for interactive systems
- Focused on solving real-life problems through technology

MARKETING VICE PRESIDENT – MC & DEN

DEC 2020 - FEB 2022

- Led marketing initiatives and coordinated team projects
- Worked on branding and outreach strategies

FREELANCE WORK

2023 - PRESENT

- Designed and deployed websites using WordPress and HTML/CSS
- Managed hosting, domains, and client requirements
- Created and edited digital content for clients
- Graphic & Video Editing