



VEDANG PHADKE

B.TECH STUDENT (CYBERSECURITY & FORENSICS)
AI & ROBOTICS ENTHUSIAST

CONTACT

- 📞 9156000983
- ✉️ vdphadke2003@gmail.com
- 📍 Aundh, pune - 411007
- 🌐 [LINKEDIN Profile](#)

EDUCATION

- 2022 - 2026
MIT-WPU UNIVERSITY
- B.Tech CSE
(Cybersecurity and
Forensics)

SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

LANGUAGES

- Marathi (Native)
- Hindi (Fluent)
- English (Fluent)
- German (Basics)

PROFILE

Analytical and driven Computer Science Engineering student specializing in Cybersecurity and Forensics at MIT-WPU. Possesses a strong aptitude for mathematical logic and hardware integration. Passionate about transitioning into Artificial Intelligence and Machine Learning, specifically investigating the intersection of Data Integrity, AI Security, and Smart Embedded Systems. Demonstrates a robust engineering mindset with hands-on experience in robotics prototyping and high-performance computing hardware.

ACADEMIC PROJECTS

NailBot: IoT-Enabled CNC Automation SystemRole: Lead Developer & Hardware Engineer

- Embedded & Hardware Engineering: Engineered a 3-axis CNC automation system using Arduino Giga R1, managing the full lifecycle from KiCad PCB design and FreeCAD modeling to 3D-printed fabrication.
- AI & Voice Interaction: Integrated a local AI subsystem using Ollama (Llama 3 8b), XTTS v2, and Resemblyzer to enable real-time user recognition and interactive, voice-guided machine operations.
- Software & Security: Developed a locally hosted WebSocket interface for low-latency control, utilizing custom Python APIs and cryptographic hashing (BLAKE2s, SHA-256, SHA-512) for secure data transmission.

Local GPT model configuration and Training (Trained)

- AI & Voice Integration: Deployed a local AI pipeline utilizing Ollama (Llama 3 8B), XTTS v2, and Resemblyzer to implement voice-based user verification and dynamic, speech-synthesized machine interaction.
- Voice generation passing via FASTAPI

[GITHUB link](#)

EXTRA-CURRICULAR & WORKSHOP EXPERIENCE

- Advanced Hardware Inventory Management: Maintained and operated a diverse technical lab including 3D Printers and varied Development Boards, fostering a deep understanding of hardware-software integration.
- Traditional Craftsmanship: Active practitioner of precise manual skills, enhancing patience and attention to detail.