# Onkar Manoj Mendhapurkar

+91-8421278804 | onkar69483@gmail.com | in onkar-mendhapurkar | ☺ onkar69483 | ▶ @OnkarMendhapurkar

## EDUCATION

• **Symbiosis Institute of Technology** *2022 - 2026*
*B.Tech Computer Science and Engineering | GPA: 8.5* Pune, India

• **Arham Junior College** *2020 – 2022*
*Pre-University Education | Grade: 80%* Pune, India

• **Hume McHenry School** *2009 – 2020*
*Secondary Education | Grade: 89.33%* Pune, India

## EXPERIENCE

• **Microsoft** *June 2025 – Present*
*Associate Consultant Intern* Hyderabad, Telangana, India • On-site

• **Ab Normal Home [🌐]** *June 2024 – November 2024*
*Volunteer • Mobile Application Developer* Pune, India
  ◦ Developed a React Native app featuring chat, notice board, and OTP login.
  ◦ Guided 15+ children with academic assignments and activities.

• **Interactive Learning** *September 2024 – October 2024*
*Full Stack Developer Intern* Pune, Maharashtra, India • Remote
  ◦ Designed a user-friendly, responsive interface using React.js, ensuring accessibility and usability.
  ◦ Built a quiz-based learning website that auto-generates quizzes and identifies unclear topics for teachers.

• **Meta Craftlab Private Limited [🌐]** *June 2024 – July 2024*
*Full Stack Developer Intern • Top-ranked Intern* Virtual Internship
  ◦ Engineered an online poll tool using SvelteKit and MongoDB, with automated poll deletion.
  ◦ Developed 5+ APIs for creating polls and managing responses.

## CLUB ACTIVITIES

• **President, Rotonity** *May 2024 – Present*
*Rotonity (Robotics & Automation Club - SIT)* [🌐]
  ◦ Directed robotics projects, workshops, and competitions to elevate skills and community engagement.

• **Electronics Head, Rotonity** *May 2023 – April 2024*
*Rotonity (Robotics & Automation Club - SIT)* [🌐]
  ◦ Innovated an obstacle-avoiding robot kit for a workshop, fostering STEM education for 200+ children.
  ◦ Designed and built the pill dispensing and pan-tilt mechanisms for the Scobo Medical Robot.

## PROJECTS

• **Hope: Emotionally Intelligent Robotic Companion for Holistic Patient Care** *January 2025 – Ongoing*
*Tools: Python, DeepFace, Wav2Vec2, RoBERTa, RAG, Raspberry Pi, ESP32-CAM, Azure TTS* [☺]
  ◦ Designed a multimodal AI system combining facial, speech, and textual emotion recognition using DeepFace, Wav2Vec2, and RoBERTa for real-time empathetic interactions.
  ◦ Developed a Raspberry Pi-powered robot and ESP32-CAM setup for continuous emotion and vital monitoring, integrated with Azure TTS and smart medical dashboards.
  ◦ Used Retrieval-Augmented Generation (RAG) with Gemma2-9B-It LLM to generate personalized and context-aware responses, enabling emotionally adaptive healthcare support.

• **Scribly: The Ultimate YouTube Notes & Annotation Extension 🏆*(Winner - FOSSHack 2025)*** *February 2025*
*Tools: React.js, Tailwind CSS, Vanilla JS, Chrome Extension APIs, localStorage* [☺] [🔵]
  ◦ Developed a browser extension to take timestamped notes, draw annotations, and capture screenshots directly on YouTube videos.
  ◦ Engineered a centralized dashboard with search, tagging, and cross-device export/import using localStorage.
  ◦ Built interactive UI using React.js and Tailwind CSS, enabling real-time overlay tools like shapes, freehand drawing, and text.

- **CodeDrop: Easily Paste and Share Code Snippets** *August 2024 – September 2024*
  Tools: *SvelteKit, Node.js, Express, MongoDB, Git* [O]
  - Built a web platform to quickly paste, share, and view code snippets with syntax highlighting and optional expiration features — similar to a modern, minimal Pastebin.
  - Led team tasks and GitHub PRs to streamline project workflow.
  - Configured MongoDB for secure snippet storage, automated deletion, and integrated a viewing page.

- **EZ Finance: Personal Finance Management System** *June 2024 – July 2024*
  Tools: *Java Swing, MySQL, JDBC Driver, Git* [O]
  - Built a Java Swing app with JDBC integration and MySQL for robust data management.
  - Introduced features for account management, income/expense tracking, and transaction history.

- **Party Time: E-commerce Platform for Perishable Item Deals** *February 2024 – April 2024*
  Tools: *Next.js, Django, PostgreSQL, Git* [O]
  - Developed a niche e-commerce platform that offers near-expiry or perishable products at discounted rates to reduce waste and promote sustainable consumption.
  - Built dynamic UI for landing, shop, and product pages, managing 500+ items with expiry-based tagging and price reductions.
  - Implemented APIs for authentication, cart, seller dashboards, and real-time location-based availability and filtering.

## SKILLS

- **Programming Languages & Databases:** Java, Python, C/C++, JavaScript, Bash, MySQL, MongoDB
- **Web Technologies & Frameworks:** HTML/CSS, ReactJS, NextJS, SvelteKit, React Native, Java Swing, Tailwind CSS, Chrome Extension APIs
- **CSE Fundamentals:** DSA, OOPS, DBMS, Operating Systems, Computer Networks, Agile
- **Additional Skills:** Electronics, ESP8266/32, Arduino, Emotion Recognition, Human-Computer Interaction, Data Visualization (Power BI), Video Editing, Communication, Team Leadership
- **Languages:** English (Fluent), Hindi (Fluent), Marathi (Fluent), German (Basic)

## CERTIFICATIONS

- **AZ 900: Microsoft Azure Fundamentals (Springboard)** *2024*

- **Mastering SvelteKit Fundamentals** *2024*

- **Mastering GitHub Fundamentals** *2024*

## AWARDS & HONORS

- **Winner – FOSSHack 2025** | Scribly – Open Source Chrome Extension *2025*
- **Finalist – Bajaj Finserv HackRx 5.0** | National Healthcare Innovation Hackathon *2025*
- **Special Mention – IEEE CodeClash 2025** *2025*
  Built autonomous vehicle driving simulation in CARLA for foggy navigation and crash prevention (Top 5% of 800+ global participants)