Manu Smriti

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Education

Ramaiah Institute of Technology, *B.E Artificial Intelligence and Machine Learning*, **CGPA: 9.08** 2026

Professional Experience

Software Development Engineer, Netradyne July 2026 – Present

- Architected and deployed internal AI agents and custom software ecosystems, streamlining enterprise workflows and significantly optimizing operational tool costs.
- Developed end-to-end internal utilities for system monitoring, updates, and integrations, while concurrently managing the architecture and performance of the company's primary marketing website.

Fullstack AI Engineer, MyCPE One April 2026 – July 2026

- Built and shipped a cross-platform Flutter client portal alongside full-stack web features, owning work end-to-end from UI to backend integration at a high delivery pace.
- Integrated AI-driven features into production workflows, rapidly prototyping and deploying capabilities across mobile and web surfaces.

SDET Intern, Aurigo Software Technologies July 2025 – October 2025

- Automated 50+ unit test cases using Playwright and validated core functionalities across modernization components, reducing automation pipeline execution time by 20% through optimized test architecture.

UI/UX Intern, Bhandara App June 2024 – August 2024

- Designed end-to-end UI/UX for a new mobile application and website, focusing on intuitive user flows and responsive design.

Projects

Curio: AI-Driven Fashion Discovery & Marketplace Github

- Engineered a full-stack, swipe-based fashion marketplace (Flutter/React) powered by a multi-stage ML vision pipeline, an automated web scraper for real-time catalog updates, and an adaptive recommendation engine paired with a database-connected AI styling agent.
- Tech Stack: Flutter, React, Supabase (Edge Functions), Qdrant, Python, Google Gemini API, Redis.

Vision Assistant: AI-Powered Mobility Solution for the Visually Impaired Github | **Winner**

- Engineered a sophisticated AI-powered wearable device utilizing a 5-parallel-thread architecture for dual feedback modes, achieving sub-1000ms video processing latency and sub-100ms threat detection latency with real-time conversational AI and context-aware memory mechanisms.
- Tech Stack: Python, OpenCV, PyTorch, ONNX Runtime, FastAPI, Piper TTS, Raspberry Pi, multimodal LLMs.

Technologies

Languages: Python, C/C++, Dart, MATLAB, Java

Machine Learning & AI: PyTorch, Scikit-learn, Hugging Face Models, LangChain, YOLO Models

Web & Mobile Frameworks: React, Tailwind CSS, Flutter, FastAPI/Flask, HTML, CSS

Databases: MongoDB, PostgreSQL, Redis

Tools & Platforms: Figma, Framer, Git/GitHub, Chart.js, OpenCV, Raspberry Pi, Playwright

Achievements

- FAER Scholars Award 2024-2025
- 4x Hackathon Winner
- President, E-CELL (2023–2026): Led a 150-student team to incubate 6 startups, secure INR 5 Lakhs+ funding, and organize entrepreneurial events with 10,000+ attendees.