

Preethesh Carvalho

Mangaluru, Karnataka, India

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EDUCATION

St Joseph Engineering College, Mangaluru

B.E. — Computer Science & Business Systems | CGPA: 9.19 / 10.0

Aug 2023 – Jul 2027

TECHNICAL SKILLS

AI & Agentic Systems: Claude, Claude Code, Multi-Agent Systems, RAG, OpenAI Agents SDK, Codex SDK, Voice Agents, Whisper, vLLM, Groq, Sarvam AI

Development: Python, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, FastAPI, Docker, Git, Linux

Data & Platforms: PostgreSQL, MongoDB, Firebase, Redis, Supabase, SQLite, Twilio, Vercel

SELECTED PROJECTS

Drishti — Multilingual Missing-Person Intelligence Platform | [GitHub](#) | *Claude · Sarvam Voice Agents · Python · Cross-Lingual Matching · Offline-First*

- Built at the **Claude Impact Lab in Mumbai** for the Nashik Kumbh Mela 2027 challenge, designing a privacy-first system to reconnect missing people with families across disconnected lost-and-found centres.
- Developed multilingual voice intake and cross-lingual matching using weak signals such as age, language, location and physical description, intentionally avoiding facial recognition and supporting operation under unreliable connectivity.

Orbit — Multi-Agent Founder Operating System | [GitHub](#) | *Multi-Agent Systems · Agents SDK · Codex · Voice · Multimodal AI*

- Built an observable founder workspace where nine specialist AI agents across research, finance, legal, brand, marketing, sales, support and engineering collaborate through shared startup context.
- Designed an agent execution pipeline with specialist handoffs, conflict resolution, human approval gates, product-generation loops and multimodal launch-asset generation.

Community Resource Intelligence & Validation System | [GitHub](#) | *FastAPI · Twilio IVR · Whisper · Voice AI · Next.js*

- Built a multilingual voice-first platform enabling low-resource communities to report water, electricity and sanitation conditions through basic phone calls in Kannada, Bengali and English.
- Designed transcription, retry and validation workflows that cross-check community reports against administrative information before routing relevant government schemes.

Accord — AI-Negotiated Blockchain Escrow Platform | [GitHub](#) | *Python · Multi-Agent AI · Algorand · FastAPI · vLLM*

- Built three competing AI agents that negotiate deals through a weighted optimizer while an ARC-4 smart contract manages trustless fund locking and release.
- Engineered a self-hosted LLM inference stack with a three-tier fallback chain, completing six negotiation turns in approximately 4 seconds compared with a 30-second baseline.

LEADERSHIP & EXPERIENCE

Software Lead — Automation Robotics Club, SJEC

Sep 2024 – Present

- Lead software development for campus automation and IoT projects, helping convert student ideas into deployable systems while collaborating across hardware and software teams.
- Built systems including RFID-based access and attendance, automated bell scheduling and QR-based inventory management for college use.

AI Automation Intern — IBM SkillsBuild

Jun 2026 – Jul 2026

- Completed a 60-hour advanced AI automation internship covering AI agents, workflow automation, APIs, intelligent decision-making and end-to-end system design.

AI COMMUNITY & SELECTED ACHIEVEMENTS

- Claude Impact Lab — Mumbai, 2026** — Selected among the **Top 75 from 1,500+ applicants** for India's first Claude Impact Lab; built Drishti for the Nashik Kumbh Mela 2027 civic challenge.
- Push to Prod — Anthropic × Elevation Capital × Mesa × Devfolio** — Selected among approximately **150 builders from 5,000+ applications** for an intensive five-hour product-building sprint.
- 15+ Hackathons** — Regularly participate in AI, agentic systems, civic technology, commerce and product-building hackathons, building functional prototypes under tight timelines and collaborating with multidisciplinary teams.
- OpenAI Codex Community Hackathon — Bengaluru, Aug 2026** — Selected among **70 participants from approximately 2,000 applications**; rebuilt Orbit around a nine-agent architecture and product-generation workflow.
- Google DeepMind Hackathon — Bengaluru, Jul 2026** — Selected through an approximately 4,000-applicant process for an on-device Gemini and Gemma builder hackathon.
- Aerithon26** — Won **1st place** among 70+ teams.
- Magnovite 2024 & 2025 — Christ University** — Earned four podium finishes across embedded systems, design and problem-solving competitions, including three first-place finishes.
- Intercollegiate Startup Pitching** — Won six startup pitching and Shark Tank-style competitions across institutions, competing against 200+ teams.