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EDUCATION

KLS Gogte Institute of Technology

B.E. Computer Science, GPA 8.7

Belgaum, India

Sep 2025

WORK EXPERIENCE

ChipiX

Lead Developer

Mar 2026 – Aug 2026

Bengaluru, India

- Led engineering for an open-source, AI-native chip verification platform ([Chipix-Company/chipix](#), GPL-3) — AI-assisted verification planning, tool-orchestrated runs, and evidence-linked debug workflows.
- Owned product architecture and implementation for RTL/spec-grounded verification flows aimed at startups, students, and lean semiconductor teams.

NeedFit

Lead Developer

Dec 2024 – Mar 2026

India

- Led a 3-person engineering team shipping end-to-end web and mobile products for 2 clients — discovery, UX/UI, development, testing, and production launch — as the primary technical contact.

Flutter (Open Source)

Open Source Developer

Jan 2024 – Present

India

- Added router-parameter functionality to Google's Flutter framework (`go_router`), enabling more flexible navigation patterns for mobile apps; merged as PR #8232.

GirlScript Summer of Code

Mentor

Sep 2025 – Oct 2025

India

- Mentored open-source contributors on SimplyLang, guiding language design, issues, and pull-request reviews.

Oncash

Lead Developer

Apr 2023 – Feb 2024

India

- Built a full-stack app end-to-end as lead developer — architecture, implementation, client communication, and launch partnerships.

PROJECTS

foodosys

Next.js, TypeScript, Supabase, OCR, Gemini

~4,000 users

- Built and launched a campus dining platform used by ~4,000 Infosys Mysore students, with OCR + Gemini menu digitization, real-time updates, and a community karma/leaderboard system.

OPEN SOURCE CONTRIBUTIONS

GitHub Contributions

214+ PRs authored · 180 merged

- Merged CPython docs for `zipfile.Path` path-sanitization (PR #130537) and fixed ByteDance deer-flow agent streaming crashes across #416, #427, and #458.

OPEN SOURCE PROJECTS

SimplyLang

Python · CS Education

- Built an English-like programming language and learning ecosystem that lowers syntax barriers for children with readable commands, friendly errors, and progressive exercises.

SimplicityBlock

Python, Firebase, PoW

- Built a Proof-of-Work blockchain with mining, chain validation, wallet workflows, a browser IDE, and JS/Python SDKs.

COON

TypeScript, LLM tooling · 30–70% fewer output tokens

- Designed an open-source code-compression notation for coding agents that cuts LLM output tokens by 30–70% with local decompression.

ACHIEVEMENTS

- All-Karnataka Hackathon, Mangalore (May 2024) — 4th place among top 5 winners.
- 1st place — Jain Hackathon; 2nd place — college-level hackathon.
- Ranked 1st all three years (2019–2021) and CS department representative at Motichand Lengade Polytechnic.
- IEEE Bangalore ITS Outstanding Student Volunteer Award (Jan 2025); Amazon bestselling author — *Build Your Own Programming Language*.

TECHNICAL SKILLS

Languages: Python, Dart, TypeScript, Solidity

AI / Agents: LLM integration, agentic systems, LLM orchestration, RAG, tool use, structured outputs, Langchain, evals

Backend & Infra: FastAPI, Redis, PostgreSQL / Supabase, Docker, Kubernetes, Grafana, Prometheus, AWS Bedrock

Frontend & Mobile: Flutter, Next.js, React

Blockchain: Solidity, Hardhat, smart contracts, PoW consensus