KASABU NIKHIL GOUD

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PROFESSIONAL SUMMARY

Computer Science (B.Tech, CGPA: 8.57) builder of live production systems: built & **managed NNRG Tech Fest & Cultural Fest website** for entire college (**29 events**, real-time updates, zero downtime, HOD/faculty coordination), **shipped NNRG Campus App to Indus Appstore in 24 hrs** (Flutter + Supabase/Firebase – live: Indus Appstore), and scaled classroom attendance to **CSE dept rollout (5 min → 2–6 sec, 98% savings, 99.5% accuracy)**. Stack: Flutter, React/Next.js, Supabase/PostgreSQL/Firebase, REST APIs. Details: Portfolio Blog. Seeking Software Development roles.

TECHNICAL SKILLS

Programming Languages: Python, Dart, JavaScript, TypeScript, Java, C, SQL

Frontend & Mobile Development: Flutter, React.js, Next.js, React Native, HTML5, CSS3

Backend & API Development: Node.js, FastAPI, REST APIs, Google Apps Script, Email Automation

Databases & Backend Services: PostgreSQL, MongoDB, Supabase, Firebase, SQLite, Google Sheets API

Cloud & DevOps: Google Cloud, AWS (EC2, S3), AWS CLI, Linux, Git, GitHub, GitHub Actions, GitHub Codespaces, Vercel

Developer Tools: VS Code, Android Studio, Google Colab, Postman, Figma

Testing & Browser Automation: Selenium, Playwright, MailOven

AI-Assisted Development: ChatGPT, OpenAI Codex, Claude, Claude Code, Cursor, Antigravity, OpenCode, Kiro, Lovable, Bolt, Replit, v0, Devin, Hermes Agent, Grok Build

FEATURED PROJECTS

NNRG Tech Fest & Cultural Fest – Live Website Build & Management
Tech: React · Node.js · Supabase/PostgreSQL · REST · Vercel | Live: Tech | Live: Cultural | GitHub | Case Study

- Built & **managed live website for entire college** – single source of truth for **29 events** with real-time registration, scheduling, capacity + participant tracking; **zero downtime** at peak.
- Coordinated with **HODs/faculty** for requirements per dept, custom features + branding better than previous years; **instant DB sync, caching, API design, on-the-fly fixes** for user satisfaction.
- Optimized **PostgreSQL queries + indexing** cutting load **40%**; payment + email confirmations supporting **1000+ registrations**.

NNRG Campus App – Live on Indus Appstore (24-Hr Sprint)
Tech: Flutter · Supabase/Firebase · REST | Live | GitHub | Case Study

- Engineered cross-platform app from scratch in **24 hrs**: Student ERP dashboard, real-time attendance, event schedules + notifications; **signed release + console verification + live publication**.
- Real-time DB sync + secure auth; tested on devices; continues to serve students with scalable architecture.

AttendX – Classroom to CSE Dept Attendance Rollout
Tech: Flutter · Next.js · Supabase/PostgreSQL · REST · SMTP/WhatsApp | GitHub | Case Study

- Scaled pilot to **CSE dept-wide**: **5 min → 2–6 sec/entry (98% savings, 99.5% accuracy)** for 4 roles (Student/Faculty/HOD/Admin) with QR + AES-256 + session auth.
- Auto email engine in **5–10 sec**: HOD summary, faculty timetable filter, absentee 1-click reason, parent WhatsApp templates (EN/HI/TE).

ACHIEVEMENTS

- **1st Prize, Web Development – HackathonZ 2026 (Hack2Hire), Malla Reddy University** (Jul 17–18, 2026) – national 24-hr hackathon; **1st in category** with team Kernel Knights (5 members); built **TruthLens AI**, an AI-powered news transparency platform comparing coverage across publishers and detecting bias. Case study.
- **6th of 260+ teams – LaunchPadX 2026, SNIST** (Aug 22–23, 2026) – national innovation hackathon, **1,200+ participants**, with VetriaAI; team Kernel Knights (5); built **Life Admin AI**, an AI agent that takes context from multiple daily apps via MCPs and performs actions instead of just recommendations. Case study.
- **C-DAC BOSS OS Bug Bounty Challenge 2026** (Jul 7–8, 2026) – PAN-India 36-hr authorized OS security assessment of BOSS OS; team submitted **11 findings, all evaluated** by C-DAC jury.
- **MSME Idea Hackathon** - Shortlisted for Stage 2, Ministry of MSME.

EDUCATION

B.Tech, Computer Science and Engineering - CGPA: 8.57 **2023 – 2027**
Nalla Narasimha Reddy Education Society's Group of Institutions *Hyderabad, India*

CERTIFICATIONS

- **NPTEL** – Database Management Systems (Jul-Sep 2025, 8 weeks) – 68% (Elite) [Certificate]
- **NPTEL** – Programming in C (Jan-Apr 2025, 12 weeks) – 60% (Elite) [Certificate]
- **NPTEL** – Programming in Java (Jan-Apr 2025, 12 weeks) – 84% (Elite + Silver) [Certificate]