GOPAL TENNETI

SOFTWARE ENGINEERING · FULL-STACK · DISTRIBUTED SYSTEMS · AI / ML

● Google Student Ambassador · May 2026 | CGPA 8.10 / 10 · B.Tech CSE

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Open to Internships

PROFILE

Third-year B.Tech Computer Science & Engineering (Cyber Security) student at SCSVMV University and Google Student Ambassador (May 2026). I build and ship production software end to end: a **multi-tenant SaaS CRM** live with database-enforced security, background automation and subscription billing, and a **hybrid RAG system** with automated LLM-as-a-Judge evaluation. Strongest in Java and Python, PostgreSQL, concurrency and system design, with a focus on software that stays correct under load.

TECHNICAL SKILLS

Languages	Java (Advanced) · Python · SQL · TypeScript · JavaScript · Go (familiar)
Distributed Systems	Redis · Apache Kafka · Apache Spark · Microservices
Frameworks	Spring Boot · Spring Security · Spring Data JPA · React · REST API Design
Concurrency	Multi-threading · Synchronization · Token Bucket · Sliding Window
AI / LLMs	Gemini API · HuggingFace · Pinecone · LLM-as-a-Judge · RAG Pipelines
Databases	PostgreSQL (Row-Level Security) · Supabase · Redis · Neon · MongoDB · Firebase
Cloud / DevOps	Google Cloud Run · AWS (EC2, S3, RDS) · Docker · Kubernetes · CI/CD · Render
Core CS	Data Structures & Algorithms · OOP · System Design · Debugging · Testing

PROJECTS

Align — Multi-Tenant Sales CRM (SaaS), Live in Production

align-crm-dashboard.onrender.com ↗

TypeScript · React · Supabase (PostgreSQL) · Row-Level Security · Edge Functions · Razorpay · Google Calendar API

- Built and shipped a **multi-tenant sales CRM** covering leads, contacts, companies, deal pipelines, proposals, activities and tasks, with dashboards, sales reports and **Razorpay subscription billing** across three plans.
- Enforced **tenant isolation and 3-tier role permissions inside the database** using PostgreSQL Row-Level Security, plus **TOTP two-step login**, server-verified session control and login rate limiting.
- Moved critical workflows into **transactional SQL functions** that fully succeed or fully roll back: lead-to-contact conversion with duplicate checks, bulk edits and deletes, and resumable **CSV/Excel import of up to 10,000 rows**.
- Built serverless **Edge Functions and pg_cron jobs** for tracked proposal emails (hashed private links, view tracking), automated follow-up tasks and **two-way Google Calendar sync** (OAuth 2.0, incremental sync).
- Ran a **staging-to-production release process** with versioned migrations, pre-release backups and **250+ automated tests** (Vitest, PGlite) covering security rules and business logic.

AdaptIQ — Hybrid RAG Pipeline with LLM-as-a-Judge Evaluation

github.com/gopal089/AdaptIQ ↗

Python · Pinecone · HuggingFace · Gemini 2.5 Flash · Neon PostgreSQL · AI / ML

- Built a **question-answering system** that merges **dense semantic retrieval** (Pinecone + HuggingFace) with **BM25 keyword search** using Reciprocal Rank Fusion.
- Implemented a **Gemini 2.5 Flash LLM-as-a-Judge** that scores every answer for Faithfulness and Context Precision, with **automatic fallback routing** when quality drops.
- Logged full system telemetry to **Neon PostgreSQL** for performance analysis and reliability tracking across QA sessions.

EDUCATION

B.Tech — Computer Science & Engineering (Cyber Security) *2024 – 2028 (Expected)*
SCSVMV University, Kancheepuram, Tamil Nadu · Overall CGPA **8.10 / 10** (after Semester 4) · Semester 4 GPA **8.45 / 10**

Class XII — State Board (Karnataka) · 89.16% · Science with Computer Science *2023 – 2024*

Class X — State Board (Karnataka) · 95.84% · Secured 1st rank in the school *2021 – 2022*

ACHIEVEMENTS & RECOGNITION

Google Student Ambassador · Selected May 2026 · India
Represent Google's developer ecosystem on campus: promoting Google Cloud, AI tools and developer technologies, and growing a community of student builders.

Google Arcade Program — Cloud Skills Boost · 10–20 skill badges · India
Earned hands-on skill badges in Google Cloud infrastructure, AI services and developer tooling through lab-based challenges.

LANGUAGES

English (Fluent) · **Hindi** (Fluent) · **Kannada** (Fluent) · **Telugu** (Native)