

Tampara Venkata Santosh Anish Dora

Full Stack Software Engineer | Building AI Applications

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SKILLS

- **Languages:** Java, Python, Dart, JavaScript
- **Frameworks:** Next.js, React, Spring, SpringBoot, Spring AI, Tailwind
- **AI Frameworks & Tools:** LangChain, LangGraph
- **LLM Techniques:** Prompt Engineering, Retrieval-Augmented Generation (RAG)
- **Distributed Systems:** Kafka, REST APIs, Microservices
- **Databases:** MySQL, PostgreSQL
- **Cloud Platforms:** Amazon Web Services (AWS), Supabase
- **Deep Learning & NLP:** Neural Networks, Transformers, Large Language Models (ChatGPT, Claude)

PROFESSIONAL EXPERIENCE

- **Sunwave Health** Jun 2023 – Present
- *Software Engineer (Remote, United States)*
 - Designed and integrated Zoom video conferencing with the internal calendar system to support single and recurring appointments, session management, and live editing. Reduced scheduling-related support tickets by 30% and improved reliability.
 - Orchestrated a referral and account merge module using Dart and Java to consolidate fragmented patient records across EMR and CRM systems, increasing data integrity by 40% and reducing manual reconciliation time by 50%.
 - Automated provider payment reporting using **Java**, improved financial communication timeliness to 100% for **70+ providers** and reduced manual workload by **5+ hours/week**.
 - Launched the Outpatient Methadone Management module to support patient intake, dosage tracking, medication scheduling, and compliance workflows, expanded platform capabilities for treatment programs, and drove **15% growth** in outpatient user adoption.
 - Collaborated with cross-functional teams (PMs, QA, clinicians) to define API contracts, write integration tests, and validate end-to-end workflows using **Postman**, contributing to a 20% reduction in release-cycle bugs.
- **Deloitte India (USI)** Jan 2022 – Jun 2022
- *Software Engineer Intern (Remote, India)*
 - Led migration of core modules from legacy **.NET** to **Angular**, **TypeScript**, and **SaaS**, modernizing Deloitte's internal iRpm platform used by 5,000+ employees.
 - Engineered reusable UI components using **Angular**, to boost responsiveness and accessibility in high-traffic modules, leading to a 20% reduction in UI-related issues.
 - Spearheaded the integration of automated testing within UI workflows, resulting in a 60% reduction in testing time and improving the accessibility score from 60 to 85 WCAG standards.

EDUCATION

- **Santa Clara University** Santa Clara, CA, United States
Master of Science in Computer Science and Engineering **GPA: 3.58/4.0** Sep 2022 – Jun 2024
- **Coursework:** Distributed Systems, Database Management Systems, Web Technologies, Algorithms, Machine Learning
- **GITAM University** Visakhapatnam, India
Bachelor of Technology in Computer Science and Engineering **GPA: 8.88/10** Jun 2018 – Apr 2022
- **Coursework:** Object-Oriented Programming, Operating Systems, Data Structures, Web Development

PROJECTS

- **Chat with PDFs - Full-Stack RAG Application** Aug 2025 – Sept 2025
- Developed a multitenant PDF Question and Answer application using Next.js, TypeScript, Supabase (Postgres, pgvector, Storage), Clerk, and OpenAI. Supported **75+ PDF uploads**, concurrent chat sessions with a streaming UI, an embedded PDF viewer, and secure authentication with login, logout, and session management.
 - Implemented an ingestion workflow with private storage upload, text extraction using pdf-parse/pdf.js, and text chunking (~1200 chars with 200 overlap). Generated embeddings with **text-embedding-3-small** and optimized retrieval via pgvector and SQL RPC, achieving **140ms median retrieval latency**.
 - Leveraged **LangChain** for retrieval orchestration, prompt templating, and conversation memory with rolling summaries. Indexed **75 PDFs** and **2,100 pages** with end-to-end answer time of **1.9s** and processing cost of \$0.05/100 queries.
- **AI Research Assistant - Chrome Extension** Aug 2025
- Developed a side-panel Chrome extension for instant text operations, including summarization, paraphrasing, simplification, and bulleting using Spring AI. Reduced research time by **60%** with **sub-3 second response times**.
 - Implemented domain-based note organization that auto-tagged and filed notes by source website. Improved retrieval efficiency and kept research notes centralized.
 - Created a non-intrusive user interface with selection-based triggers that worked across websites without disrupting workflow using React and TailwindCSS. Ensured consistent performance across **50+ tested web pages**.
 - Integrated an AI-powered Gmail extension into the native reply modal using JavaScript. Analyzed entire mail threads to generate context-aware replies in multiple tones and cut email drafting time by **70%**.

PUBLICATIONS

- “A Graph Invariant Based TGO Model for RailTel Optical Networks”, Sixth International Conference on Intelligent Computing and Applications (ICICA 2020), Springer, Singapore. [Link](#)