

Gudivada Yaswanth Rama Chandra Sai

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EDUCATION

RV College of Engineering
Master of Computer Applications

Bangalore, Karnataka
Aug 2025 – Aug 2027

Chanakya University
Bachelor of Computer Application

Bangalore, Karnataka
Aug 2022 – May 2025

EXPERIENCE

Software Developer
Tessa Cloud

June 2026 – Present
Bangalore, Karnataka

- Architected 30+ REST APIs, SQLAlchemy, and PostgreSQL for admissions, academics, timetables, lesson plans, and attendance integrated DigiLocker with Vertex AI Gemini, reducing manual data entry by ~80%
- Built a JWT-authenticated admissions portal with MSG91 OTP, reCAPTCHA v3, HMAC-SHA256 OTP hashing, rate limiting, and single-application enforcement; implemented DLT/TRAI-compliant SMS notifications.
- Developed role-based Bootstrap 5 interfaces for administrators, faculty, HODs, principals, and students; containerized with Docker + Supervisor, deployed on Google Cloud Run, and integrated Amazon S3 for secure file storage.

Software Developer
Chanakya University

Apr 2024 – July 2024
Bangalore, Karnataka

- Developed an automated proposal approval workflow using Microsoft Power Automate, SharePoint, SQL, and Microsoft Forms with dynamic routing, role-based approvals, audit trails, and real-time status tracking.
- Reduced manual effort by 60% and approval turnaround from 7–10 days to under 48 hours by digitizing the approval lifecycle, improving transparency and enabling scalable workflow automation.

PROJECTS

Real Time Distributed Batch Processing System | *Spring Boot, Apache Kafka, PostgreSQL*

June 2026 – Present

- Built an event-driven batch processing platform that ingests CSV jobs from Kafka into a multi-threaded, chunk-based execution engine, decoupling job submission from execution for scalable asynchronous processing.
- Implemented fault-tolerant, exactly-once processing using idempotent upserts, retry/skip policies, Dead Letter Queue (DLQ) recovery, and scheduled reconciliation, reducing 1,000 record ingestion from ~6 s (single-threaded) to ~100 ms with parallel background processing.
- Designed cloud-native, horizontally scalable services with stateless APIs, version-controlled database migrations, pluggable storage (local filesystem/ S3), Prometheus metrics, and Kubernetes readiness/liveness probes; validated ingestion of 50,000 records in ~2.5 s during performance testing.

Clawmind | *Next.js, TypeScript, MongoDB, Better Auth, Tailwind CSS*

May 2026 – Jun 2026

- Built a full-stack AI-powered study platform integrating GitHub and LeetCode activity with learning analytics, authenticated sync pipelines, and an AI assistant for notes, quizzes, and collaborative whiteboarding.
- Hardened the platform with rate-limited APIs (20 req/min), Zod runtime validation, AES-256 encrypted tokens, MongoDB ACID transactions, and secure HTTP headers for production-ready reliability and security.

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, Python
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, REST APIs, WebSockets, SpringBoot
Databases: PostgreSQL, MongoDB, MySQL
ORMs: Prisma, Drizzle ORM
Cloud & DevOps: Docker, Kubernetes, AWS
Tools & Technologies: Git, GitHub, Linux, Maven, Gradle

CERTIFICATIONS

- IBM - Getting Started with Enterprise Data Science
- IBM - Journey to Cloud: Envisioning Your Solution
- Hackerrank - Python basic certification
- Salesforce Developer