

Eswar Dudi

Computer Science Student

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PROFESSIONAL SUMMARY

Computer Science student with hands-on experience in full-stack web development and mobile applications. Proficient in Python, Java, JavaScript, TypeScript, MERN stack, Kotlin and C. Passionate about solving complex problems and learning new technologies.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

CVR College of Engineering, Hyderabad, Telangana

2023 – 2027 | CGPA: 8.33/10

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Web Technologies, Software Engineering

TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Python, C, Go, JavaScript, TypeScript

Frameworks & Libraries: React, Node.js, Express.js, Flask, FastAPI, Next.js, Socket.IO, Jetpack Compose, TailwindCSS, ShadCN, Supabase

Databases: MongoDB, MySQL, SQLite, Firebase Realtime Database, Oracle Database, PostgreSQL

Tools: Git/GitHub, Linux, Docker, Postman, Selenium

PROJECTS

NexusChat – Real-Time P2P Chat Application

MERN Stack, Socket.IO, TailwindCSS, MongoDB Atlas

[GitHub](#) | [Live Demo](#)

- ▶ Implemented real-time peer-to-peer chat with WebSockets via Socket.IO and a custom Express.js backend
- ▶ Designed mobile-friendly UI and deployed on Render with production-ready architecture

Guntainer – Secure Container Runtime in Go

Go, Linux Namespaces, UID/GID Remapping, Alpine RootFS

[GitHub](#)

- ▶ Developed a lightweight container runtime leveraging Linux namespaces for process isolation
- ▶ Automated root filesystem setup and secure UID/GID remapping

SynapseLearn – AI-Powered Personalized Learning Planner

Next.js, TypeScript, Google Gemini API, Tailwind CSS, ShadCN, Drizzle ORM, Clerk, Neon PostgreSQL

[GitHub](#) | [Live Demo](#)

- ▶ Built AI-driven platform generating personalized learning tasks with full CRUD, tracking, and analytics
- ▶ Integrated Gemini API with scalable architecture and modern UI components

CalGist – Calendar Event Summarization with AI

Next.js, Supabase, Google Calendar API, Google Gemini API, ShadCN UI, TypeScript

[GitHub](#) | [Live Demo](#)

- ▶ Integrated Google Calendar API with Gemini to auto-summarize events in real time
- ▶ Added authentication, embeddings (text-embedding-004), and optimized query performance

AlterTone – AI-Powered Tone Transformation App

Next.js, TypeScript, Tailwind CSS, Google Gemini API

[GitHub](#) | [Live Demo](#)

- ▶ Transformed input text into 20+ tones via Gemini API with instant results, no login required
- ▶ Engineered SEO-optimized public pages for maximum organic reach