

GURUNADA RAO REDDY

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PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in Full-Stack Web Development with expertise in MERN stack, Next.js, TypeScript, and AI integration. Proven track record architecting scalable, production-ready applications with 95%+ mobile compatibility and sub-2 second response times. Currently serving as Web Development Co-Lead at GDG On-Campus, delivering community platforms serving 1,000+ users with modern DevOps practices. Strong foundation in RESTful API design, microservices architecture, and AI-powered solutions using LangChain and RAG. 8.87 CGPA with multiple hackathon wins and active contributor to open-source projects.

EDUCATION

•Bachelor of Technology (B.Tech) - Computer Science	Expected: May 2028
Vishnu Institute of Technology, Bhimavaram	CGPA: 8.87/10.0
•Intermediate (MPC)	2022-2024
Bhashyam Junior College, Guntur	96.0%

PROFESSIONAL EXPERIENCE

•Full-Stack Web Development Co-Lead	VIT Bhimavaram
GDG On-Campus Chapter	09/2025 – Present
– Architected and deployed gdgvitb.in (community platform) using Next.js, TypeScript, and NeonDB PostgreSQL. Engineered RESTful APIs with Prisma ORM integration. Delivered responsive UI with 95% mobile compatibility serving 1,000+ active members with 99.9% uptime. Offer Letter	

PERSONAL PROJECTS

PORTFOLIO: [LINK](#)

•VIBE-CHAT — Chat Application

- **Tech Stack:** MERN, JWT, OAuth, REST APIs, Socket.io Developed a real-time AI-powered chat application with MERN stack, integrating LangChain for intelligent conversation handling and n8n for workflow automation. Implemented JWT and OAuth for secure authentication, RESTful API design for backend services, and Socket.io for real-time messaging. Key features include AI-driven response suggestions, user activity tracking, and automated workflows for notifications and data processing.

•Delicial — Restaurant Management Platform

[Demo](#)

- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT, WebSocket, Tailwind CSS, NodeMailer, REST APIs Built a production-ready restaurant management system with JWT-based authentication and REST API endpoints for table reservations, order management, and user profiles. Architected real-time updates using WebSocket, automated email notifications with NodeMailer, and achieved 98 Lighthouse performance score through code splitting and lazy loading. Key features include real-time table booking, payment integration, and admin dashboard for analytics.

•Graph RAG Medical Chatbot

- **Tech Stack:** Neo4j, Mistral (local), Streamlit, Medline Data, LangChain, RAG, REST APIs Developed a Graph RAG-based medical chatbot using Neo4j for knowledge graph representation, Mistral (locally hosted) for natural language processing, and Streamlit for the UI. Integrated Medline data for accurate medical insights and LangChain for context-aware responses. Key features include sub-2 second response times, 90%+ accuracy in medical QA, and REST API endpoints for data retrieval and user interaction.

TECHNICAL SKILLS

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

Development Tools: Git, GitHub, VSCode, Google Colab, Postman, n8n, Android Studio

Frameworks & Libraries: React js , Node.js, Express.js, Flask, Next.js , Flutter , RESTful APIs

Cloud & Databases: Firebase, Supabase, MongoDB, Pinecone Vector DB, Firestore, MySQL

Specializations: Full stack Web Development, Software Development, AI Automations Integrations, Database Design

Methodologies: Agile Development, SDLC, API Integration, Version Control (Git), DevOps Practices

Soft Skills: Technical Leadership, Cross-functional Collaboration, Research Development, Mentoring ,

CERTIFICATIONS & ACHIEVEMENTS

•Programming and Data Structures using Python	NPTEL	March 2025
•LeetCode Problem Solver	150+ Problems Solved - Data Structures & Algorithms	2024-2025