

Ravi Teja Kandula

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TECHNICAL SKILLS

Languages: Python, Java, C

Frontend: React.js, HTML5, CSS3, Bootstrap

Backend: Node.js, Express.js, FastAPI, REST APIs, JWT Authentication

Databases: MongoDB Atlas, MySQL, Redis, Pinecone

Cloud & DevOps: AWS, Azure, Vercel, Render, Git, GitHub Actions, CI/CD

AI/ML: RAG, LangChain, Vector Databases, Prompt Engineering

Core Concepts: Data Structures & Algorithms, OOP, DBMS, System Design, SDLC, API Design, Testing, Debugging

PROJECTS

E-Commerce Platform **GitHub** — **Live Demo** Nov 2025 – Feb 2026
MERN Stack, Redis, BERT, AWS EC2

- Built a scalable MERN-based e-commerce platform with JWT authentication and role-based access control (RBAC).
- Designed and implemented 10+ RESTful APIs for products, users, orders, and payment workflows.
- Improved API response time by **40%** using Redis caching and backend optimization.
- Integrated a BERT-powered recommendation engine to enhance product personalization and user experience.
- Reduced checkout latency by **30%** through optimized frontend state management.

RAG-Based Intelligent Document Q&A System **GitHub** — **Live Demo** Mar 2026 – Apr 2026
React, FastAPI, LangChain, Pinecone, Redis

- Developed a Retrieval-Augmented Generation (RAG) platform for intelligent document question answering.
- Implemented a dual-LLM architecture to improve response quality and contextual relevance.
- Utilized Pinecone vector databases for semantic search and document retrieval.
- Architected FastAPI microservices for document ingestion, embedding generation, and semantic retrieval.
- Reduced query latency by **50%** through retrieval pipeline optimization and in-memory caching.

ACHIEVEMENTS

Built and deployed 5+ full-stack and AI-powered applications using MERN, FastAPI, AWS, and LangChain.

Achieved up to **50%** lower response latency through performance tuning and system optimization.

Solved 150+ DSA problems across LeetCode and coding platforms.

Captained the departmental Kabaddi team and secured **1st place** in the university departmental fest.

EDUCATION

Vignan University <i>B.Tech in Computer Science</i>	2023 – Present CGPA: 6.7/10
Sri Chaitanya Junior College <i>Intermediate</i>	2021 – 2023 75%

CERTIFICATIONS

Simplilearn: MERN Stack, Full-Stack Development, RAG Applications

AWS: Cloud Practitioner, EC2 Auto Scaling, Prompt Engineering

Azure: Azure Fundamentals (AZ-900)

Cisco: Python Essentials, Networking Essentials