

TEJAS G.V.S.B

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LinkedIn Tejas-Guduru

GitHub Tejas G



Career Objective

Motivated Computer Science student specializing in AI & ML, with experience in building intelligent systems and full-stack applications. Passionate about applying technical and problem-solving skills to develop impactful technology solutions.

Education

B.Tech in Computer Science – AI & Machine Learning	Aug 2023 – May 2027
VNR VJIET, Hyderabad	CGPA: 8.62
Class XII – PCM (Fiiitjee Junior College)	2021 – 2023
Hyderabad, India	97.20%
Class X – (Fiiitjee World School)	2021 – 2023
Hyderabad, India	CGPA:10

Experience

Alfago Research LLP (Backend Intern)	Jul 2025 – Nov 2025
• Developed a Portfolio Management and Tax Computation System using FastAPI and PostgreSQL, automating trade tracking workflows.	
• Prepared containerized services using Docker for deployment on AWS to support scalability and reliability.	
Infosys Springboard Internship (AI Intern)	Sep 2025 – Nov 2025
• Built an AgriYield Prediction System integrating soil and weather datasets, improving prediction accuracy by 15%.	
• Developed a Flask-based ML platform using Random Forest and XGBoost for analytics and visualization.	

Technical Skills

- Programming:** Python, C++, JavaScript, C
- AI/ML:** Machine Learning, Deep Learning, NLP, LLM APIs (Gemini, OpenAI), RAG
- Web Development:** React.js, Node.js, Express.js, HTML, CSS, Bootstrap, FastAPI
- Databases:** MongoDB, PostgreSQL, MySQL, Pinecone, FAISS
- Tools & DevOps:** Git, GitHub, REST APIs, Docker
- Core CS:** Data Structures, OOPS, DBMS, OS, CN

Projects

GitHub AI-Powered Medical Chatbot – Python, FastAPI, React, Pinecone, Whisper API, Ollama
• Developed a multilingual healthcare chatbot using Retrieval Augmented Generation (RAG) with vector search for context-aware responses.
• Implemented hybrid retrieval and speech-to-text integration to enhance user interaction quality.
GitHub MERN Stack Travel Booking Platform – JavaScript, Node.js, MongoDB, Express.js
• Built a full-stack booking platform with authentication, search filters, and booking management features used by 200+ users.
• Optimized backend queries and caching mechanisms to reduce API response time.

AI-Powered Resume Analyzer – Python, Gemini API, Streamlit

- Designed a resume analysis tool that extracts structured data and generates ATS-optimized feedback using LLM prompts.
- Improved user engagement through personalized recommendations and scoring insights.

Research Experience

GT-DLN: Geometric-Temporal Deep Learning Trading Architecture

Ongoing

- Developed a hybrid deep learning trading architecture integrating graph neural networks and Temporal Convolutional Networks to model financial time series.
- Engineered spectral and transform-based features to identify mispricing signals and regime shifts across assets.
- Designed a volatility-aware prediction module for confidence-based trade signal generation and dynamic position sizing.

Certifications

- MERN Stack Development — Apna College
- C++ Programming — NPTEL
- Data Structures & Algorithms — Smart Interviews

Achievements

Academic

- Achieved Top 3% among 150,000 candidates in TS EAMCET.
- Secured 2 Gold and 2 Bronze medals in SOF Olympiads (NSO, IGKO) during school.

Co-Curricular

- Turing Cup 2025 National Coding Contest — Finalist (700+ teams)
- HackIndia Hackathon — Regional Finalist (CBIT) among (500+ teams)
- Webathon 2.0 — Finalist in a competitive web development hackathon
- Google Solution Challenge 2024 Finalist (Top 20% among 100+ teams)
- Codenox 2.0 (2024) — Top 50 Rank among 500+ teams

Extra-Curricular

- ISTE Technical Head — Conducted technical sessions and mentored 50+ students
- ISOC Documentation Head — Managed Build and Break Ideathon, coordinating 10+ teams.

Strengths

- Consistent
- Team Player
- Critical Thinking
- Problem Solving
- Adaptable

Hobbies

- Playing Cricket
- Solving Puzzles
- Exploring new Technologies

Declaration

I hereby declare that the above information is true and correct to the best of my knowledge.