

Complete Profile - Medisetty Surya Teja

Personal Information

- **Name:** Medisetty Surya Teja
- **Role:** AI & Full Stack Developer
- **Location:** Anakapalli, Visakhapatnam, Andhra Pradesh, India
- **Phone:** +91 9440410212
- **Email:** medisettysuryateja000@gmail.com
- **Profile Picture:** profilePic

Education

I am a Bachelor of Technology student in Computer Science at Vignan's Institute of Information Technology, graduating in 2027. My current CGPA is 8.85 (84.075%).

Technical Skills

My technical skills include Python, JavaScript, SQL, React, Next.js, Node.js, LangChain, MongoDB, and Supabase. I am also experienced with Git, GitHub, and AI techniques like Retrieval-Augmented Generation (RAG).

Programming Languages

- **JavaScript** - Modern ES6+ features, DOM manipulation, async programming
- **Python** - Advanced scripting, data analysis, AI/ML development
- **HTML5** - Semantic markup, accessibility, modern web standards
- **CSS3** - Responsive design, animations, grid/flexbox layouts
- **C++** - Object-oriented programming, algorithms, competitive programming
- **SQL** - Complex queries, database design, performance optimization
- **C** - System programming, low-level operations

Frontend Development

- **React.js** - Component-based architecture, hooks, state management

- **Next.js** - Server-side rendering, static generation, API routes
- **Tailwind CSS** - Utility-first CSS framework, responsive design

Backend Development

- **Node.js** - Server-side JavaScript, event-driven architecture
- **Express.js** - RESTful APIs, middleware, routing
- **FastAPI** - High-performance Python web framework

Databases

- **MongoDB** - NoSQL document database, aggregation pipelines
- **MySQL** - Relational database management, query optimization
- **Supabase** - Backend-as-a-service, real-time databases

AI & Machine Learning

- **LangChain** - AI agent development, document processing
- **RAG (Retrieval-Augmented Generation)** - Vector embeddings, semantic search
- **LLMs (Large Language Models)** - Prompt engineering, fine-tuning
- **TensorFlow** - Deep learning, neural networks, model deployment
- **Gemini AI** - Google's multimodal AI integration

Mobile Development

- **React Native** - Cross-platform mobile app development

Development Tools & Platforms

- **Git/GitHub** - Version control, collaborative development
- **Postman** - API testing, documentation
- **Socket.IO** - Real-time communication, WebSocket implementation
- **N8N** - Workflow automation, no-code integrations

Additional Technologies

- **Tkinter** - Python GUI development
- **Streamlit** - Data science web applications
- **MoviePy** - Video processing and automation
- **Playwright** - Web scraping and automation
- **FAISS** - Vector similarity search

Featured Projects

1. Student Progress System

- **Description:** A MERN stack app to track student Codeforces activity, update progress daily at 2 AM, and email alerts to students inactive for 7+ days
- **Live URL:** <https://68541edfe037d57fa6ff95ee--scintillating-belekoy-bec0b8.netlify.app/>
- **GitHub:** <https://github.com/suryateja000/Codeforces>
- **Tech Stack:** React, MongoDB, Node.js, Express
- **Tags:** Web, MERN Stack

2. AI Answer Key Generator

- **Description:** An intelligent Streamlit app using Gemini AI to generate answer keys from PDF question banks with RAG for accuracy
- **Live URL:** <https://question-bank-to-answer-key.streamlit.app/>
- **GitHub:** https://github.com/suryateja000/Qb_to_Ak
- **Tech Stack:** Python, Streamlit, LangChain
- **Tags:** AI/ML

3. EcoTrack - Recycling App

- **Description:** A React Native app linking users and collectors to recycling centers with real-time tracking and QR scans for a transparent recycling process
- **GitHub:** <https://github.com/suryateja000/Eco-track-frontend->
- **Tech Stack:** React Native, Node.js, Socket.IO, MongoDB
- **Tags:** Mobile

4. Sentiment Analyzer

- **Description:** A real-time sentiment analysis tool that evaluates text to generate detailed polarity and subjectivity scores, along with intuitive visual feedback for instant emotional insights
- **Live URL:** <https://monumental-axolotl-41dbde.netlify.app/>
- **GitHub:** <https://github.com/suryateja000/Sentiment-analysis>
- **Tech Stack:** React, Python, FastAPI
- **Tags:** Web, AI/ML

5. Course Navigator

- **Description:** A web platform guiding post-12th students to academic courses with personalized suggestions tailored to their skills and interests
- **Live URL:** <https://suryateja000.github.io/Course-Navigator/>
- **GitHub:** <https://github.com/suryateja000/Course-Navigator>
- **Tech Stack:** React, Node.js, Express, MongoDB
- **Tags:** Web

6. Service Marketplace

- **Description:** A platform where services can be posted or searched by location, enabling easy contact—especially during urgent or critical situations
- **Live URL:** <https://service-market.netlify.app>
- **Tech Stack:** React, Supabase, PostgreSQL
- **Tags:** Web

7. Handwritten Digit Recognition

- **Description:** Recognizes handwritten digits instantly—even with messy input—through efficient, real-time digit analysis
- **GitHub:** <https://github.com/suryateja000/Digit-analyse>
- **Tech Stack:** TensorFlow, Keras, Python, Jupyter
- **Tags:** AI/ML, Desktop

Achievements

I have achieved a 3-star rating on CodeChef (peak 1657), a peak rating of 1761 on LeetCode, and have qualified for the internal round of the SIH-2024 Hackathon.

Competitive Programming

- **CodeChef:** 3-star coder with peak rating of 1657, participated in 65 contests
- **LeetCode:** Peak rating of 1761, participated in 43 contests
- **SIH-2024 Hackathon:** Qualified in Internal Round

Professional Experience

- **Position:** AI & Prompt Engineering Intern
- **Company:** VaultofCodes
- **Skills Developed:** AI development, advanced prompt engineering techniques, resume tailoring for backend/frontend roles using ATS tools

Leadership Experience

- **Role:** House Leader in junior dormitory
- **Institution:** Jawahar Navodaya Vidyalaya
- **Skills Developed:** Team management, responsibility, collaborative project work

Contact Information

You can reach me by email at medisettysuryateja000@gmail.com or connect with me via the links on this page.

Social Media Profiles

- **LinkedIn:** <https://www.linkedin.com/in/your-profile>
- **GitHub:** <https://github.com/your-profile>
- **LeetCode:** <https://leetcode.com/your-profile/>
- **CodeChef:** <https://www.codechef.com/users/suryateja0>
- **Professional Profiles:** CodeChef, LeetCode, LinkedIn

Technical Expertise Areas

Full-Stack Development

- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS
- **Backend:** Node.js, Express.js, FastAPI
- **Database:** MongoDB, MySQL, Supabase
- **Mobile:** React Native

AI & Machine Learning

- **Frameworks:** TensorFlow, LangChain
- **Techniques:** RAG, LLMs, Neural Networks
- **Tools:** Gemini AI, Vector Embeddings, Prompt Engineering

Development Workflow

- **Version Control:** Git/GitHub
- **API Development:** RESTful APIs, FastAPI, Express.js
- **Testing:** Postman
- **Automation:** N8N, Playwright
- **Real-time:** Socket.IO, WebSocket

Academic Projects & Research

- Digital clock implementation in Verilog for FPGA
- Database management systems with SQL
- Operating systems concepts
- Computer architecture projects
- Sensors and transducers
- Communication systems
- Handwritten digit recognition
- Sentiment analysis applications

Current Focus & Interests

- Advanced AI agent development
- Full-stack web applications
- Mobile app development
- Real-time systems and automation
- Machine learning and deep learning
- Competitive programming and algorithmic problem solving
- Cutting-edge AI projects
- Video content automation
- Generative AI technologies
- Agent-based systems
- Multimodal AI applications