

Sanikommu Bhanu

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PROFESSIONAL SUMMARY

Motivated 3rd-year B.Tech AI & Machine Learning student with a 9.3 CGPA, passionate about building practical AI, machine learning, and full-stack solutions. Experienced in developing end-to-end intelligent systems — from computer vision pipelines to LLM-powered tools — with a drive to create software that delivers real-world impact.

EDUCATION

Saveetha School of Engineering — B.Tech in AI & Machine Learning	CGPA: 9.3
Sri Chaitanya Junior College — Intermediate (MPC)	96%
Ravindra Bharathi School, Guntur — SSC	95%

TECHNICAL SKILLS

Programming:	Python, JavaScript
Web Development:	React, Next.js, Node.js, HTML, CSS, Tailwind CSS
AI / ML:	Machine Learning, Computer Vision, NLP, TensorFlow, OpenCV, scikit-learn
Databases:	MongoDB, SQL
Tools:	Git, GitHub, VS Code, Docker, Jupyter Notebook

ACHIEVEMENTS

- Participated in an **AI-based 24-hour Hackathon**, building and demoing an AI solution under time pressure.
- Delivered multiple **real-world, end-to-end AI & full-stack projects** with measurable outcomes and production-ready quality.
- Certified by **Infosys** and **IBM**, validating applied skills in AI/ML and software development at an industry-recognized level.
- GP (Global Professional) Certified**, reflecting commitment to continuous learning and professional growth in technology.

PROJECTS

AI Crop Disease Detection Platform	Python TensorFlow OpenCV React Flask
• Trained a CNN with 94%+ accuracy across 15+ crop disease classes; built a React + Flask interface with real-time image upload, annotated results, and an OpenCV preprocessing pipeline.	
AI Resume Analyzer	Python spaCy NLP React Flask
• Built an NLP tool using spaCy to extract skills, score resume-JD fit, and surface gap analysis, improving ATS compatibility by up to 40%; features a drag-and-drop React frontend with exportable reports.	
GitHub Developer Analytics Dashboard	Next.js Node.js GitHub API MongoDB Chart.js
• Developed a real-time dashboard aggregating GitHub activity with Chart.js visualizations and SSR; a MongoDB caching layer reduced redundant API calls by 70% under high traffic.	
AI Study Assistant	Python LangChain OpenAI API React Node.js
• Architected an LLM-powered RAG tool using LangChain to generate quizzes, summaries, and context-aware Q&A from uploaded materials, with adaptive progress tracking in a React + Node.js interface.	
Real-Time Coding Interview Platform	React Node.js WebSockets Monaco Editor Docker
• Built a collaborative interview platform with Monaco Editor, WebSocket co-editing at <100ms latency, and a Dockerized sandboxed execution engine supporting Python & JavaScript.	