

YEGOTI SAI THANUSH KUMAR

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Summary

I am enthusiastic and curious Computer Science student with a passion for technology, especially AI and IoT. Skilled in Python and full-stack development, with experience working on real-time projects and smart assistant systems. Always eager to learn, build, and bring creative ideas to life.

Education

- **B.Tech (2023 -2027):** Seshadri Rao Gudlavalleru Engineering College (IoT), Gudlavalleru - 8.69cgpa
- **Intermediate (2021 -2023):** Narayana junior college , Visakhapatnam - 94%
- **SSC (2021):** Holy Cross School , Seethanagaram - 99%

Technical Skills

- **Python:** I have practical experience with Python, leveraging its versatility for scripting, automation, data analysis, and application development.
- **Prompt Engineering:** I possess a strong command of prompt engineering techniques, enabling me to design precise and effective inputs to optimize outputs from advanced AI models such as ChatGPT.
- **Web Development:** I have in-depth knowledge of HTML and CSS, enabling me to design and build visually appealing and fully functional websites.
- **C Programming:** I have hands-on experience and a strong understanding of the core concepts and intricate workings of the C programming language.
- **Software Skills:** I am well-versed in the Microsoft Office Suite, with advanced proficiency in Word, Excel, and PowerPoint.
- **Presentation & Editing:** I am skilled in both video and photo editing, enhancing my ability to create engaging presentations and digital content.

Projects

- **Smart Pilgrimage Management System (SIH Shortlisted Project)**
Shortlisted in *Smart India Hackathon (SIH 2025)* under the Ministry of Education's Innovation Cell. Designed an AI + IoT solution for crowd and queue management in

pilgrimage centers using Computer Vision (YOLOv8, ByteTrack), AI-based predictions, and real-time dashboards. Features included anomaly detection, parking guidance, priority passes for children/elders, and estimated darshan time on app + LED screens.

- **BankEye 360 – MSME Project (AI-IoT Security System)**

Developed under the *MSME Innovative Project Scheme*. An AI-IoT powered threat detection and emergency lockdown platform for MSME banks, ATMs, and NBFCs. Uses Edge AI (Jetson Nano), IoT sensors, GSM failover, and cloud dashboards to provide real-time threat scoring, automatic lockdowns, and behavior-based security decisions. Designed to be cost-effective, scalable, and deployable even in low-resource rural environments, filling a critical gap in India's financial infrastructure security.

- **KurukshetraMind – Mahabharata Wisdom System (Full stack)**

Website : <https://kurukshetramind.netlify.app>

An AI-powered decision support system inspired by Mahabharata, offering philosophical guidance based on epic scenarios. Uses semantic search (TF-IDF + Fuzzy Matching) to match user queries with Mahabharata teachings. UI built with Html, backend with Flask and MongoDB.

- **ALLINONEBOT (WordPress Website)**

Website: allinoneaibot.wordpress.com

Developed a centralized AI hub that integrates various bots including chatbots, educational bots, and more—bringing multiple AI functionalities under one platform.

- **JARVIS AI Assistant (In Progress)**

Inspired by the iconic AI from Iron Man, this project aims to create a multifunctional assistant capable of voice interaction, real-time data analysis, task automation, and conversational intelligence. Combining Python, APIs, and modular AI logic to emulate an interactive smart assistant for daily use.

Internships :

- **Skill Dzire – VLSI Design Intern (2024)**

Worked on **VLSI design fundamentals** including digital logic design, Verilog HDL,

and FPGA-based implementation. Gained exposure to **EDA tools** for simulation and synthesis. Developed small-scale projects demonstrating circuit optimization and design verification.

Managing & Leadership skills:

- **Vice President – IETE Student Forum**

Currently serving as the Vice President of the IETE Club at my college, actively organizing tech talks, workshops, and peer learning sessions. Responsible for fostering innovation, collaboration, and technical engagement among students.

Additional Skills

- **Machine Learning:** Gained foundational knowledge and practical experience with machine learning concepts during a Tensorflow 7-day bootcamp.
- **AI Tools:** Working and understanding of various AI tools and their applications.
- **Quantitative Aptitude & Logical Reasoning:** Strong analytical and problem solving skills.