

SWETHA MODALA

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SUMMARY

Final-year B.Tech(CSE) student skilled in Python, Java, SQL, and web technologies, with experience in AI/ML projects like an AI-Based Study Assistant and Real-Time Voice Translator. Passionate about artificial intelligence and eager to contribute to real-world AI/ML and data-driven projects.

EDUCATION

Bachelor of Technology Computer Science and Engineering	2022 - Present
Vignan Institute of Technology and Science CGPA : 8.96/10 (present)	
Intermediate MPC	2020 - 2022
Gouthami Junior College CGPA : 9.71/10	

SKILLS

- Programming Languages:** Python, C, Java
- Web Development:** HTML, CSS, Javascript
- Databases:** MySQL, DBMS
- Languages:** English, Telugu
- Core Competencies:** Data Structures & Algorithms, OOP, Problem Solving

PROJECTS

AI-Based Study Assistant	2023 - 2024
<ul style="list-style-type: none">Developed a Python AI study assistant using Tkinter, NLP, and rule-based chatbot to generate personalized study schedules, summarize text, and conduct interactive quizzes.Built a performance analytics dashboard to track learning progress, quiz scores, and study patterns, increasing student productivity.Implemented automated text summarization and quiz management, reducing manual planning effort and enhancing user engagement.	
Real-Time Voice Translator	2022- 2023
<ul style="list-style-type: none">Developed a Python-based real-time multilingual voice translation application leveraging Google Translate API, SpeechRecognition, gTTS, and NLP techniques.Achieved 95% translation accuracy across 40+ languages and automated audio file handling, improving processing efficiency by 60%.Implemented continuous voice capture and real-time STT/TTS, reducing manual intervention by 80% and enabling seamless multi-user communication.	

CERTIFICATES

- Generative AI Tools Workshop – NxtWave (2024)
- Python – GUVI (2024)
- TCS iON Career Edge – Young Professional – TCS iON (2023)

ACHIEVEMENTS

- Finalist - Smart India Hackathon 2025 (National-level innovation competition)
- CodeChef 1★ Rating - Competitive programming skills
- Member - Computer Society of India (CSI)
- Selected - Pragati Cohort 6, Infosys Springboard 2025