

Manam Sai Karthik

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Professional Summary

Final-year B.Tech Computer Science student passionate about web development and AI/ML. Experienced in building scalable web apps with Python, Flask, and MySQL, and applying ML models to real-world problems. Strong CS fundamentals, proven through internships and hackathons. Motivated to drive product innovation and collaborate with cross-functional teams.

Education

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|---|---------------|
| Computer Science and Engineering – 7.72 CGPA | Expected 2026 |
| <i>B.Tech at Sir C. R. Reddy College of Engineering</i> | |
| MPC | 2020–2022 |
| <i>Sri Prakash Jr. College</i> | |

Technical Skills

- **Programming Languages:** Python, Java
- **Frameworks:** Flask
- **Web Technologies:** HTML, CSS, JavaScript
- **Database:** MySQL, MongoDB
- **Tools:** Git, GitHub, VS Code
- **Artificial Intelligence & Machine Learning :** Gen AI, Machine Learning Algorithms

Internships

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|---|----------------------|
| Artificial Intelligence Internship at SkillDzire | May 2024 – July 2024 |
| • Worked on the development and optimization of learning models, focusing on data preprocessing, training, and evaluation. | |
| Web Development Internship at TechSonIx Solutions | May 1 – May 30, 2025 |
| • Completed a 4-week internship through the TechSonIx Employability Program. | |
| • Built a responsive personal portfolio website using HTML, CSS, and JavaScript. | |
| • Practiced Agile methodologies and used Git/GitHub for version control. | |
| • Strengthened frontend development, debugging, and UI/UX design skills. | |
| MERN Stack Internship at Smart Internz | May 19-July 14, 2025 |
| • Developed and maintained full-stack web applications using the MERN stack, focusing on building responsive user interfaces and backend APIs. Collaborated with the team to troubleshoot issues and enhance overall application performance. | |

Projects

YouTube Transcript Summarizer

Description: Developed a Python tool to summarize YouTube transcripts and extract keyword timestamps using NLP techniques. Built an intuitive UI supporting custom and automated keyword tracking to improve content navigation.

Tech Stack: Python, YouTube Data API, NLTK, requests, NLP, heapq

Breast Cancer Prediction

Description: Developed a Flask app using a Joblib-serialized Random Forest model for benign/malignant tumor classification from 30 features, with real-time input and prediction display.

Tech Stack: Python, Flask, Scikit-learn, Pandas, HTML/CSS

Voice Recognition and Speech-to-Text Python Application

Description: Created a web application that converts speech (via uploaded or mic-recorded audio) into text using Google's Speech Recognition API.

- Developed a dual input system: upload or live-record audio.
- Integrated Google API for natural speech recognition.
- Delivered quick transcription output with a clean, responsive interface.

Tech Stack: Flask, SpeechRecognition, HTML/CSS, JavaScript

Certifications & Achievements

- **Certified in Python Programming** in HackerRank.
- **Completed E-Commerce Certification Program** – Flipkart Grid. 2024
- **Certified in Web Development** – Oneroadmap. 2025
- **Certified in Generative AI and ChatGPT - Self Paced** in Greek for Greeks 2025
- **AI for Beginners – HP LIFE: Certificate of Completion.** 2025

Awards & Activities

- **2nd place – 2023 College Project Expo:** Developed "YouTube Transcript Summarizer".
- **3rd place – JNTU K Project Expo 2023:** Enhanced summarizer with improved UI/features.
- **Code for Bharat Season 2 Hackathon (Tech Masters India, 2025):** Participated in a national-level hackathon, collaborating with peers to design and develop innovative solutions.
- **Adobe Hackathon (2025):** Participated in a company-hosted hackathon, exploring creative solutions in software development and team-driven problem solving.
- **Google Cloud Presents Agentic AI Day (2025):** Engaged in hands-on sessions and collaborative challenges, exploring advanced AI and cloud-native solutions.

Leadership & Events

- **Celestra2k24 – Student Coordinator:** Oversaw planning and coordination of the event.
- **Celestra2k25 – Event Coordinator:** Managed timelines, teams, and event execution.