

Manam Sai Karthik

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Professional Summary

Final-year B.Tech Computer Science student with a strong interest in Web Development and Artificial Intelligence. Hands-on experience in building scalable web applications using Python, Flask, and databases, along with developing machine learning models for real-world problem solving. Solid foundation in data structures, algorithms, and software engineering principles. Proven collaborator through internships, hackathons, and academic projects.

Education

B.Tech – Computer Science and Engineering

Sir C. R. Reddy College of Engineering

CGPA: 7.72

MPC

Sri Prakash Junior College

Technical Skills

- **Programming Languages:** Python
- **Web Technologies:** HTML, CSS, JavaScript
- **Frameworks & Libraries:** Flask
- **Databases:** MySQL, MongoDB
- **AI / ML:** Machine Learning Algorithms, Generative AI
- **Tools:** Git, GitHub, VS Code, Power BI, Tableau

Internships

Artificial Intelligence Intern – SkillDzire

- Assisted in developing and evaluating machine learning models.
- Performed data preprocessing, training, and model performance analysis.

Web Development Intern – TechSonIx Solutions

- Built a responsive personal portfolio website using HTML, CSS, and JavaScript.
- Used Git and GitHub for version control and collaborative development.
- Improved frontend debugging and UI/UX design skills.

Python Development Intern – Innovate Intern

- Completed an 8-week internship focused on Python Programming and Backend Development.
- Developed **SecureTrack**, a secure courier tracking system with real-time status updates.
- Implemented backend modules using Python frameworks with database integration.
- Worked with relational and NoSQL databases including **MongoDB**.
- Applied secure coding practices using **OAuth 2.0**.

Projects

YouTube Transcript Summarizer

- Developed a Python-based tool to summarize YouTube transcripts using NLP techniques.
- Implemented keyword-based timestamp extraction for faster content navigation.
- Designed a simple and intuitive user interface.

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

Breast Cancer Prediction System

- Built a Flask web application for tumor classification.
- Used a Random Forest model trained on 30 diagnostic features.
- Enabled real-time prediction through user input.

Tech Stack: Python, Flask, Scikit-learn, Pandas

Workshop Experience

Data Analytics Workshop – DataValley

- Completed a 1-week intensive hands-on workshop on Data Analytics.
- Worked on data cleaning, preprocessing, and visualization techniques.
- Built interactive dashboards using **Power BI** and **Tableau**.
- Gained practical exposure to data-driven insights and reporting.

Certifications & Achievements

- Python Programming Certification – HackerRank
- E-Commerce Certification – Flipkart Grid (2024)
- Web Development Certification – OneRoadmap (2025)
- Generative AI and ChatGPT – Greek for Greeks (2025)

Awards & Activities

- 2nd Place – College Project Expo 2023 (YouTube Transcript Summarizer)
- 3rd Place – JNTU K Project Expo 2023
- Code for Bharat Season 2 Hackathon – Tech Masters India (2025)
- Adobe Hackathon Participant (2025)
- Google Cloud Agentic AI Day Participant (2025)

Leadership & Events

- Student Coordinator – Celestra2k24
- Event Coordinator – Celestra2k25