Sai Bhaskar Kandula

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EDUCATION

- VIT Bhopal University |B. Tech CSE AI & ML| CGPA: 9.16/10|Bhopal, Madhya Pradesh — June 2021 - Present
- Loyola Academy Junior College, Percentage: 84.20% | Hyderabad, Telangana — June 2019 - April 2021
- Castletown High School, GPA: 9.2 | Hyderabad, Telangana — June 2018 - April 2019

SKILLS

- **Skills:** Python, SQL, MS Excel, Front-end, Power BI, MS Access, Data Analysis, Generative AI, Version Control(Git)
- **Libraries and Models:** Flask, Numpy, Matplotlib, Tensorflow, Pytorch, Seaborn, Scipy, LLMS, LSTM's

INTERNSHIP

Tannu Shri Enterprises (FrontEnd and Backend Developer): (July 2024 - October 2024)

Contributed to the development and optimization of Tannu Shri Enterprise's web platform, enhancing user experience and backend efficiency through effective front-end and back-end solutions.

COURSES

- Introduction to Computer Science and AI - Harvard University
- Concepts of Machine Learning, Data Analytics – Upgrad, Google

PROJECTS

Secure and Real-Time Two-Person Private Chatbot: [Project link](January 2025)

- Built a secure, real-time private chatbot enabling seamless two-person communication without external frameworks.
- Designed a multi-threaded architecture using Python Sockets and Tkinter for smooth, low-latency messaging.
- Delivered a responsive chat system, showcasing networking, concurrency, and GUI development expertise.

Concepts Used: Python, Sockets, Multi-Threads Concepts.

Python Code Comment Remover: [Project link] (September 2024)

- Built a Python Comment Remover to process large codebases, ensuring compatibility across diverse scripts.
- Optimized algorithms using string slicing, exception handling, and file I/O for accurate comment removal without affecting functionality.
- Optimized developer workflow by automating comment removal, saving hours of manual effort, and enhancing code readability and maintainability.

Tools & Technologies Used: Python, String Slicing, Exception Handling, File I/O.

AI-Powered Waste Segregation and Recycling Guide : (December 2024)

- Tackled the challenge of automating waste segregation using computer vision and machine learning, addressing the complexity of diverse waste types and ensuring high classification accuracy for real-world applications.
- Designed and developed an end-to-end system integrating a CNN (ResNet/MobileNet) with Flask, classifying multiple waste types and providing real-time recycling guidance for users.
- Delivered impactful results by providing users with instant waste categorization and proper disposal methods, promoting environmental awareness and sustainability.

Tools & Technologies Used: Python, TensorFlow, Flask, HTML, CSS, JavaScript, SQLite/PostgreSQL.

CONFERENCE PRESENTATION:

Current and Future Prospects of Deep Learning Models for Smart Agriculture **(Cambridge Scholars, 2025).[Book Link]**

- Contributed research chapter: "Computer Vision-based Crop Height Estimation Using Contour Technique."
- Received positive feedback for problem-solving approach.