Sai Bhaskar Kandula

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EDUCATION

- VIT Bhopal University |B. Tech CSE AI & ML| CGPA: 8.05/10|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, Data Analytics, Power BI
- **Libraries:** Flask, Numpy, Matplotlib, Tensorflow, Pytorch, Seaborn, Scipy

COURSES

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

PROJECTS

Secure and Real-Time Two-Person Private Chatbot: (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 expertise in networking, concurrency, and GUI development.

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

Python Code Comment Remover : (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 application.
- 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:

Presented at the International Conference on Sustainable Energy and Environment (ICSEE), MANIT Bhopal, February 2024.

-Title: "Computer Vision-based Crop Height Estimation Using Contour Detection Technique", Paper ID: 286