Dasarigalla Raviteja

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Raviteja-Sagar | Dasarigalla-Raviteja |

Telanganna, India

Objective

A motivated Computer Science student passionate about creating user-friendly solutions and improving user experiences.Eager to collaborate on meaningful projects, to contribute through creative problem-solving, and to continue developing skills in a dynamic and supportive environment.

Education

- **SRM Institute of Science and Technology** *Sep 2023 - Jun 2027*
  B.Tech in Computer Science and Engineering Kattankulathur, Chennai
  - CGPA: 8.32
- **Resonance Junior College** *2021-2023*
  STATE 12th Standard West Maredpally, Hyderabad
  - Grade: 92.6%
- **Bhashyam Blooms School** *2018-2021*
  STATE 10th Standard Maheshwaram, Hyderbad
  - GPA: 10/10

Projects

- **Pharmacy Management System: [Full-Stack Web Application for Digital Pharmacy Operations]** *April 2025*
  Tools: [Python, Streamlit, MySQL, Lottie Animations, bcrypt, HTML/CSS] [ ]
  - Developed a role-based pharmacy management system with modules for customers, delivery agents, and administrators.
  - Implemented secure authentication using password hashing (bcrypt) and input validation for sensitive fields like email, SSN, and phone numbers.
  - Created drug inventory, order processing, and prescription management systems with real-time status updates and expiry tracking.
  - Designed a user-friendly Streamlit frontend with interactive components, session management, and Lottie animations to enhance user experience.
  - Built billing and insurance integration features with dynamic invoice generation and delivery tracking.
- **Plant Disease Detection: Deep Learning and Image Processing for Crop Health Monitoring** *April 2025*
  Tools: Python, OpenCV, TensorFlow/Keras, CNN, Google Colab, Streamlit
  - Developed a CNN-based image classification model to detect 10+ plant diseases with enhanced accuracy using DIP preprocessing.
  - Implemented image enhancement and restoration techniques (contrast adjustment, filtering, resizing) to improve model input quality, increasing accuracy from 75% to 92%.
  - Created visualizations of predicted disease labels and class probabilities for clear result interpretation.
  - Developed a Streamlit-based web interface for easy upload and real-time disease prediction using the trained model.

Skills

- **Programming Languages:** Python, C , Java .
- **Web Technologies:** HTML, CSS, Java Script,Backend.
- **Database Systems:** MySQL.
- **DIP Techniques:** Iamge Preprocesing.

Honors and Awards

- **Pentathon 2.0-Hackstreet 3.0** *Month Year*
  SRMIST Kattankulathur/Nextgen AI [ ]
  - Achieved **1st Runner-Up** in a 24-hour campus-level hackathon
  - Built *CamSpector*, an AI-based theft detection system using CNN for suspicious activity recognition, with a polished frontend and intuitive UI/UX tailored for police use.

Certifications

- **Python for Everybody(Getting started with Python)** University of Michigan *June 2024*
- **Python Data Structures** University of Michigan *December 2024*
- **Using Python to Access Web Data** University of Michigan *June 2025*

Additional Information

Languages: English, Telugu, Hindi.
Interests: Playing Chess,Cricket.