Vamsi Poliparthi

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Portfolio: https://vamsipoliparthi.github.io/portfolo/ GitHub:https://github.com/VAMSIPOLIPARTHI

Professional Summary

Results-driven **Full Stack Developer & AI Engineer** skilled in **Python, Django, Flask, and Machine Learning**. Experienced in designing scalable web applications, integrating REST APIs, and deploying AI/ML solutions. Strong problem-solving, communication, and teamwork skills, with proven ability to deliver high-quality solutions in **Agile** environments. Passionate about building secure, optimized, and user-friendly systems that align with business objectives.

Technical Skills

Programming: Python, C++, SQL, JavaScript, HTML, CSS
Frameworks & Libraries: Django, Flask, Pandas, NumPy, Scikit-learn, OpenCV, Object Detection ,Deep Learning
Databases: MySQL, SQLite
Tools & Platforms: Jupyter Notebook, Kaggle, REST APIs
Core Concepts: Data Structures, Algorithms, Object-Oriented Programming (OOP), Agile Methodology

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Experience

AI Research Intern (Part-Time) | Kapil Agro, Hyderabad | **May 2025 - August 2025**

● Developed AI solutions for mango tree disease prediction using CNN models.

● Built models for mango tree detection in images/videos using YOLO frameworks.

● Created and annotated datasets for mango tree disease detection, supporting deep learning-based disease classification for regional agriculture.

● Assisted in dataset enhancement, model training, and AI deployment.

Education

B.Tech in Computer Science & Engineering – MVGR College of Engineering, Vizianagaram
Expected Graduation: May 2026 | GPA: 7.8

Intermediate (MPC) – Narayana Junior College, Vizag
Graduated: May 2022 | GPA: 90.2%

SSC – Sri Chaitanya School, Vizianagaram
Graduated: Apr 2020 | GPA: 98%

Projects

1. Vehicle Rental Web Application

- Developed a responsive rental platform using Django, HTML, CSS, and JavaScript.
- Implemented a custom authentication and booking system with Django ORM and SQLite.
- GitHub: github.com/VAMSIPOLIPARTHI/vechile-rental

2. Telemedicine Platform

- Built a full-stack healthcare application using Flask with authentication, appointment scheduling, and video consultation.

- Integrated a machine learning model for anemia detection and lab report upload functionality.

- GitHub: github.com/VAMSIPOLIPARTHI/swasthya

3. Emotion Detection System

- Created a real-time emotion detection system using OpenCV and machine learning.

- Achieved 90% classification accuracy with optimized performance.

- GitHub: github.com/VAMSIPOLIPARTHI/emotionsdedcation

Certifications

- Cisco: Programming Essentials in C, Cybersecurity Essentials, IT Essentials, Introduction to Packet Tracer

- NPTEL: Cloud Computing

Soft Skills

Problem-Solving | Analytical Thinking | Team Collaboration | Communication | Leadership