HARINI M Python Developer

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Summary

Aspiring **Python Developer** with hands-on experience in developing **real-time detection systems** and **web applications** using **Python, Django, and MySQL**. Strong foundation in software development, object-oriented programming, and problem-solving. Seeking opportunities to contribute technical expertise and build scalable applications in a dynamic environment.

Education

BE(ECE)   08/2021 – 04/2025
K.L.N College of Engineering
7.6 CGPA

HSC   06/2020 – 04/2021
St.Joseph's Girls Higher Secondary School, Madurai.
87.1%

SSLC   06/2018 – 03/2019
St.Joseph's Girls Higher Secondary School, Madurai.
83.2%

Projects

Real-Time Bird Detection and Tracking System (YOLOv9 + DeepSORT)
I developed a real-time bird detection and tracking system for crop protection using YOLOv9 for object detection and DeepSORT for multi-object tracking. The system was deployed on a Raspberry Pi integrated with a camera module to continuously monitor the field. A buzzer was also added to provide real-time alerts, enabling farmers to take immediate preventive measures and protect their crops effectively.

Smart Vehicle Rental System
A Django-based system was developed for managing vehicles, rentals, and customers, integrating OOP concepts along with file and database storage for efficient data management. The application includes a secure user login system and a frontend built with HTML and CSS for a clean, user-friendly interface. It also features vehicle filtering, searching, and rental discount options to enhance usability and streamline the rental process.

Portfolio Website
A responsive personal portfolio website was built using Django to highlight professional details. An admin dashboard was integrated for managing projects, education, certifications, and internships. The system ensures easy updates and organized presentation of content.

Technical Skills

Languages   **Web Development**
Python, C   Django, HTML, CSS

Database   **Tools**
MySQL   Git, GitHub

Internship

Hackup Technology, Coimbatore   Coimbatore
Web Penetration Testing Intern
- Conducted **web application penetration testing**, identifying vulnerabilities (SQLi, XSS, CSRF).
- Developed **Python scripts** to automate testing and scanning.
- Strengthened knowledge of **secure coding practices**.

Certifications

- Python Essential Training - LinkedIn Learning