

HARIGOVIND P

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Profile

Final-year undergraduate in Artificial Intelligence and Machine Learning with hands-on experience in building software applications. Worked with Python, Java, and SQL on projects involving web development and computer vision. Comfortable with problem-solving, debugging, and writing clear, structured code.

Education

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology

Bachelor of Technology in Artificial Intelligence and Machine Learning

2022 – 2026

Avadi, Tamil Nadu

Technical Skills

Programming Languages: Python, Java, SQL, C

Web Technologies: HTML, CSS

Frameworks & Libraries: Django, Flask, PyTorch, NumPy, Pandas, OpenCV, Scikit-learn

Applied ML Concepts: Machine Learning, Deep Learning, Computer Vision, Natural Language Processing

Tools & Platforms: Git, GitHub, MySQL, SQLite, Jupyter Notebook, Google Colab, Linux (Ubuntu), Windows CMD, Excel

Cloud Platforms: AWS

Projects

AgriSkill – Web Application for Connecting Farmers

October 2024

- Identified the problem of farmers struggling to find suitable agricultural experts for specific skills or issues, and designed a web-based solution to simplify expert discovery.
- Built the backend using Django and implemented text-based matching using TF-IDF and k-NN to compare user inputs and display ranked expert recommendations.

(GitHub Link)

Motion Detection and Alert System

November 2024

- Addressed the challenge of manually monitoring video feeds by designing a system that automatically detects motion from live camera input.
- Used OpenCV to compare consecutive video frames and implemented logic to capture images and send email alerts when motion is detected.

(GitHub Link)

Real-Time Violence Detection From Video Using CNN and LSTM

April 2025

- Worked on the problem of identifying violent activity in live video streams where multiple people are present and actions change over time.
- Implemented a video processing pipeline using CNN for frame-level feature extraction and LSTM to analyze motion over time, and flagged violent events with visual indicators.

(GitHub Link)

Certifications

Django Essentials: Build and Deploy Real-World Apps (Udemy) — (Link)

Professional Certificate in SQL and SQL for Data Analysis (Udemy) — (Link)

AWS Academy Graduate – AWS Academy Cloud Foundations — (Link)