



Yagyeshz Vishnoi

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 LinkedIn

 Portfolio

 GitHub

Education

BTECH - COMPUTER SCIENCE

VIT Bhopal University

8.83

09/2022 – Present

Bhopal, MP

12 Class CBSE

DPS Udhampur

87%

05/2021 – 05/2022

Udhampur

Professional Experience

Technology Intern (Internship)

Hawkswave Technology Pvt Ltd

01/2025 – 04/2025

Remote

- As Worked on a project developing Ultra-Wideband Signal Processing using Python.
- Developed the frontend for this software using the PyQt framework.
- Collaborated with a team to integrate backend computations with the user interface for a seamless experience.

Skills: Python

Achievements

TCS CodeVita Round 1

- Ranked 1000 in India among 444K participants, placed in the top 10K nationwide during Round1.

Projects

Harvest Hub - Web development and ML Project Link

12/2024 – 04/2025

[Python, CNN, Random Forest, XGBoost, AWS, React]

- Developed a web-based agricultural platform integrating three models:
- Yield Prediction – Predicted crop yield using historical data with models like Linear Regression, Random Forest, and XGBoost (9% accuracy).
- Crop Recommendation – Suggested optimal crops based on soil nutrients and climate conditions using KNN, SVM, and XGBoost (95% accuracy).
- Disease Detection – Trained a CNN on 70,000 images for early disease detection and treatment recommendations (92% accuracy).
- Deployed models on AWS EC2 with a React frontend for seamless user interaction.

Criminal Recognition System - Web Development and ML Project Link

01/2024 – 03/2024

[Python, TensorFlow, MTCNN, Xception, SVM]

- Trained on a 1000-person image database using MTCNN for face detection and Xception for feature extraction, building an SVM model.
- Achieved a 1-result accuracy of 96% and a 3-result accuracy of 98%.
- Deployed a website where users can upload an image to check if the person is a criminal and retrieve the criminal's records.
- Worked as a team lead, responsible for model training, testing, and backend development.

ASL Translator - ML


06/2023 – 08/2023

[Python, CVzone, Google Keras, NumPy]

- Spearheaded the data collection and training phase of a group project focused on developing a real-time American Sign Language (ASL) translator using the CVZone library and NumPy.
- Assembled a dataset comprising 7800 images to train the AI model, ensuring comprehensive coverage of ASL gestures for robust recognition.
- Led the training process of the AI model, fine-tuning parameters to achieve an impressive efficiency rate of 88% in real-time ASL interpretation.

Certifications

AWS Certified Cloud Practitioner (CLF-C02) - AWS  — Issued on: Dec 202 Certification Link •

The Complete Full-Stack Web Development Bootcamp - Udemy  — Issued on: Feb 202 Certification Link •

Marketing Analytics NPTEL — Issued on: Apr 2025