VISHNU KASHYAP D

Bengaluru, India — +91 6362991486 — vishnukashyapd18@gmail.com
GitHub — LinkedIn — Portfolio

Professional Summary

AI & ML Engineering undergraduate specializing in computer vision and deep learning applications. Experienced in creating real-time AI systems using Python, PyTorch, TensorFlow, and OpenCV. Worked across model training, preprocessing pipelines, feature extraction, and deployment workflows. Active in hackathons, open-source collaboration, and technical leadership through IEEE CIS activities, with interest in scalable AI solutions for intelligent automation and monitoring systems.

Education

Bachelor of Engineering (Undergraduate) – Artificial Intelligence & Machine Learning
BMS Institute of Technology & Management, Bengaluru 2023 – 2027
Relevant Coursework: Machine Learning, Deep Learning, Data Structures, DBMS, Computer Networks, Artificial Intelligence.

Key Achievements

- Won 4+ hackathons in AI and cybersecurity domains through solution-focused implementation.
- Secured top ranking in Capture The Flag (CTF) cybersecurity competitions.
- Contributed to 17+ open-source repositories involving AI and automation projects.
- Directed collaborative technical initiatives under IEEE CIS chapter.

Leadership Experience

Vice Chair – IEEE CIS BMSIT&M 2023 – Present
- Coordinated 8+ technical events including hackathons and workshops.
- Delivered ML and OpenCV training sessions for 100+ students.
- Guided juniors in Python workflows, Git practices, and project structuring.

Technical Skills

Languages: Python, C, C++, SQL, MATLAB, HTML, CSS
Frameworks: TensorFlow, PyTorch, scikit-learn, OpenCV, YOLOv8, MediaPipe, Pandas
Tools: Git, GitHub, Docker, Linux, Azure, Google Cloud, VS Code
Domains: Computer Vision, NLP, Deep Learning, Web Development

Selected Projects

Safe Vision – Real-Time Assault Detection
- Engineered a real-time surveillance detection system using YOLOv8 and OpenCV.
- Reached 92% detection accuracy through transfer learning and preprocessing optimization.
- Reduced alert latency by 40% using blockchain-backed hashing for secure evidence tracking.

Krishi Sakhi – AI Farming Assistant
- Designed a multilingual farming assistant supporting voice and text interaction.
- Integrated NLP pipelines and APIs for contextual response generation.
- Improved ASR performance to 95%+ accuracy through tuning and evaluation.

Crop Disease Detection (CNN)
- Implemented a CNN-based crop disease classifier using TensorFlow.
- Recorded 85–90% classification accuracy on plant disease datasets.
- Optimized preprocessing workflows for stable inference performance.

Music Genre Classification
- Constructed a spectrogram-based CNN for audio genre classification.
- Delivered 88.4% validation accuracy using feature extraction techniques.

Certifications

- Supervised Machine Learning – Andrew Ng (Coursera)
- Oracle Cloud Foundations
- Infosys Springboard – Python, Software Engineering, Project Management