Vibhaw Kumar Verma

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SUMMARY

Machine Learning and Computer Vision developer specializing in building real-time AI systems. Experienced in TensorFlow, PyTorch, CV pipelines, and end-to-end ML model development. Designed projects involving gesture recognition, mathematical expression parsing, virtual mouse control, and interactive web interfaces. For details, click here.

WORK EXPERIENCE

AI–ML Intern — AICTE EduSkills (Jun 2024 – Sep 2024)

- Developed Python, TensorFlow, and OpenCV–based solutions for real-world ML tasks.
- Implemented preprocessing pipelines, data augmentation, and model evaluation techniques.

PROJECTS

GesturaMath: AI-Powered Hand Gesture Math Solver Link of Source Code

Built a real-time system using OpenCV to recognize hand gestures and solve mathematical expressions dynamically. Achieved 88–92 percentage accuracy with optimized preprocessing. Tech stack used :- Python, OpenCV

Personal Portfolio Website Link of Source Code

Created a responsive personal portfolio website to showcase projects, skills, and contact info. Tech stack used :- HTML, CSS, JavaScript (React)

Virtual Mouse Link of Source Code

A Virtual Mouse system that allows users to control the mouse cursor using hand gestures, computer vision techniques. Achieved 85–90 percentage latency efficiency using optimized smoothing and frame processing. Tech stack used :- Python, OpenCV, MediaPipe

EDUCATION

2022 - present	B Tech in Computer Science Engineering with specialization in Artificial Intelligence at Noida Institute of Engineering and Technology, Greater Noida (CGPA : 7.75/10.0)
2021 - 2022	Class 12th CBSE (81/100)
2019 - 2020	Class 10th CBSE (83/100)

SKILLS

Some Skills	C++, CSS, HTML, JavaScript, React, Tailwind, NumPy, Pandas, Python, Tableau, Google Colab
Some More Skills	SQL / MySQL, PyTorch, Power BI, Scikit-learn

ACHIEVEMENTS

- Organized a technical coding event for 150+ students.

INTERESTS

Learn New Technologies, AI Tools, Football, Cricket, Chess