Adhiraj Singh Rawat

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EDUCATION

10th Standard St. Francis School Indirapuram, UP | CBSE: 92.8 %   **July 2020**
12th Standard Mayo International School, Delhi | CBSE: 91.2 %   **July 2022**

VIT Bhopal University | MP, India
B.Tech in Computer Science Engineering| GPA: 8.44/10.0   **March 2026**

TECHNICAL SKILLS

- Python, C#, Java, C++, SQL, TensorFlow, PyTorch, YOLO, version control using Git, Linux user

PROJECTS

Sign Language Recognition System   **December 2024**

- Designed a hand gesture detection system for individuals with speech or hearing impairments using YOLOv8 and Python, trained on over 10,000 labelled images, and achieved 90% accuracy in recognizing 30+ sign language gestures.
- Launched a real-time system with Python and OpenCV, reduced latency to under 150ms, and enhanced communication accessibility for individuals who cannot speak or hear.

Accident Detection| Project Exhibition   **February 2024**

- Devised an ML project with an 85% accuracy rate for accident detection using Python and YOLO, reduced emergency response time through real-time location data transmission and IP-based location alerts.
- Integrated IP-based location alerts, reduced emergency response time, and ensured reliable real-time notifications for immediate action.

ADDITIONAL

- **Amazon Sambhav Top 100:** Recognized among the top 100 participants nationally in Amazon Sambhav, demonstrating strong problem-solving and innovative thinking.
- **Code Garuda Winner:** Secured 1st place in Code Garuda, a competitive programming contest.
- **Splunk First Round Qualifier:** Successfully passed the initial screening round for Splunk, indicating proficiency in technical concepts and analytical skills.
- **Core Member, GSOC Club:** Served as a core member of the GSOC Club, fostering a collaborative learning environment and mentoring aspiring open-source contributors.
- **Relevant Courses:** Coursera Bits and Bytes of Computer Networking, NPTEL Cloud Computing, Vityarthi Problem Solving in Python