DEEPAK KUMAR MAHTO

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EDUCATION

VIT Bhopal University, Bhopal   *Aug 2022 - Present*
B.Tech. Computer Science and Engineering   CGPA: 8.55/10
School of Computing Science and Engineering

Oxford Public School, Ranchi   *Jul 2022*
Class XII – CBSE   Percentage – 84.4%

TECHNICAL SKILLS

Languages and Libraries	Java, Python,JavaScript, MySQL DB, Redis DB, Scikit, Streamlit
Cloud Platforms	AWS
Tools	Git, Linux

PROJECTS

KrishiConnect - Agricultural Information Portal | *JavaScript, React.js, HTML/CSS, Vercel*   *Apr 2025*

- Developed and integrated a real-time weather forecasting feature using third-party weather APIs, enhancing the platform's utility for location-based decision making.
- Collaborated with a cross-functional team of 4 to deploy a full-stack React-based portal hosted on Vercel, ensuring seamless user experience and responsiveness.
- Facilitated access to real-time agricultural insights—covering government schemes, news, and articles—enhancing awareness among rural users.
- Ensured component modularity and reusability using React best practices, leading to 25% reduction in development time for feature updates.

Facial Analysis and Smart Prediction System | *Python, Redis, Streamlit, InsightFace Models*   *Oct 2023*

- Engineered a real-time object detection system using InsightFace and OpenCV, achieving 98% accuracy in identifying objects across diverse datasets, while adhering to strict cybersecurity standards.
- Integrated InsightFace Buffalo_L model for face recognition and feature extraction, improving detection accuracy by 18% over baseline.
- Designed and deployed a Streamlit-based user interface, enabling real-time interaction with minimal latency.
- Tested and validated the model on a dataset of 1000+ images with varied lighting and backgrounds to ensure robustness.

EXPERIENCE

Null Student Chapter, VIT Bhopal   *Feb 2024 – Mar 2025*
Core Member, PR and Outreach Team | Cyber Security Awareness Club, Bhopal

- Orchestrated 3+ cybersecurity awareness events as an active PR Team Member.
- Coordinated promotional efforts, led outreach campaigns across social media and campus for club events that attracted over 100 participants per event; helping increase club visibility by 40% and a 30% rise in student membership within one semester.

CERTIFICATIONS

- AWS Academy Graduate – AWS Academy Cloud Architecting   *Apr 2025*
- AWS Academy Graduate – AWS Academy Cloud Foundation   *Mar 2025*
- IBM DevOps Fundamentals   *Mar 2025*
- Bits and Bytes of Networking   *Dec 2023*