

# DEEPAK KUMAR MAHTO

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## EDUCATION

### VIT Bhopal University, Bhopal

B.Tech. Computer Science and Engineering  
School of Computing Science and Engineering

Aug 2022 - Present

CGPA: 8.55/10

### Oxford Public School, Ranchi

Class XII – CBSE

Jul 2022

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.
- Enabled access to dynamic agricultural insights including government schemes, news updates, and articles, impacting awareness for 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
- AWS Academy Graduate – AWS Academy Cloud Foundation
- IBM DevOps Fundamentals
- Bits and Bytes of Networking

Apr 2025

Mar 2025

Mar 2025

Dec 2023