MOHIT KUMAR SAW

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Education

VIT Bhopal University	Bhopal, India
B.Tech in Computer Science Engineering; CGPA: 8.82/10	May 2026
Dhanbad Public School	Dhanbad, Jharkhand
12th Standard; 89.4%	July 2021
Dhanbad Public School	Dhanbad, Jharkhand
10th Standard; 85.8%	July 2019

Technical Skills

Core: Machine Learning, Object-Oriented Programming (OOP), Data Structures & Algorithms, Computer Networks, DBMS, Operating Systems
Languages: C++, Java, Python, SQL
Web: HTML, CSS, React.JS
Frameworks: TensorFlow, Flask, Streamlit
Certificates: Machine Learning (Coursera), Java Foundations Associate (Oracle)

Work Experience

Indian Institute of Technology (ISM) Dhanbad	Onsite
Winter Research Intern	December 2024-January 2025

- Built **IoT based Smart Lighting System** using ESP32 and LoRa, implementing ML models that achieved **87% accuracy** in occupancy detection and adaptive brightness control.
- Reduced manual lighting adjustments by **90%** through automated scheduling real-time sensor data.

AICA Health Pvt. Ltd	Remote
Frontend & UI/UX Developer Intern	October 2024-December 2024

- Created and redesigned responsive user interfaces for the admin panel, vendor panel, and user side using React.js and Tailwind CSS, enhancing overall UI/UX.
- Implemented features including vendor login, product management, prescription uploads, and coupon generation, improving platform functionality and user engagement.

Projects

Phishing Websites Detection (Machine Learning & Web development)　　　May 2024

- Developed a website powered by machine learning to enhance security by 70% and reduce phishing attacks 50%.
- Implemented machine learning classification models with a 97.4% accuracy rate in identifying phishing websites .
- Performed comprehensive feature extraction from website content and metadata utilizing advanced data processing techniques to enhance feature selection resulting in a 25% improvement in model accuracy.
- Project repository: github.com/Phishing-Detection.

Fetal Health Prediction system (Machine Learning & Web development)　　　November 2023

- Developed an advanced Machine Learning model combined with a website in Python to predict fetal health, transformative prenatal care model increased early diagnosis accuracy by 88% and reduced false negatives by 45%.
- Contributed to frontend and backend development, enhancing project contributions by 50% through comprehensive involvement.
- Project repository: github.com/Fetal-Health-Detection.

HONORS, AWARDS, HACKATHONS

Top 125 teams in Tech Challenge - ZS Campus Beats 2025
SIH (Smart India Hackathon) 2023 Qualifiers
Participated in CPCB Hackathon (Government of India)

Leadership and Volunteering

AI Club: Technical Team - VIT Bhopal	**February 2023 - Present**

- Organized 3 bootcamps, 2 webinars with 200+ participants, created 3 projects and enhanced technical capabilities and fostering a collaborative learning environment related to Artificial Intelligence.
- Facilitated weekly meetings for Artificial Intelligence initiative with 50 club members.

National Service Scheme (NSS) - VIT Bhopal	**January 2022 - January 2023**

- Organized field survey and quantitative analysis to understand villager's issues and conducted 3 camps with 200+ students and 3 village participation, improving community engagement and leading to increased awareness.
- Organized and led 10 educational programs for underprivileged children, enhancing literacy and basic education for over 150 children in rural areas, resulting in a 40% increase in reading proficiency.