

Amitesh Mishra

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Education

VIT Bhopal University

CGPA 8.86

DAV Public School Bacheli

91.6%

Bachelor of Technology | Computer Science and Engineering in AIML

October 2022 - March 2026

Higher Secondary school

January 2020 - December 2021

Skills

Programming Languages: C++, Python, JavaScript, HTML, CSS, SQL

Frameworks & Libraries: React.js, TensorFlow, Keras, OpenCV, NumPy, Scikit-learn, Matplotlib

Tools & Platforms: Git, Firebase, Postman

Projects

Human Activity Recognition

December 2024

- Built deep learning models for Human Activity Recognition using **CNN**, **LSTM**, and a hybrid **LRCN** approach. Achieved a **precision of 95.12%** on the UCF101 HAR dataset after comparative evaluation.
- Worked as the sole developer; used **TensorFlow**, **Keras**, **OpenCV**, **NumPy**, and **Scikit-learn** for model training, preprocessing, and visualization.

Recon

June 2024

- Developed a **phishing simulation tool** at **Hactivate'24** that automated email scraping (via **Hunter API**) and sent **simulated phishing emails** with embedded links for awareness testing.
- Architected a **security bot** using Python to analyze email legitimacy and content using **OpenAI API**; led to a **top 4 finish out of 15 teams**.

Freshmen

May 2023

- Created a web platform to help students post and read **faculty reviews**, simplifying course and instructor selection during academic planning.
- Developed full-stack app using **React**, **Firebase**, and **Tailwind CSS**; reached **4.5K users** and generated **47K+ page views** within the first 3 months.

co curricular

100 Days Of Code Challenge

- Maintained a 100-day streak on LeetCode by solving one question daily, completed over 200 questions in total across various data structures and algorithms.

GirlScript Summer of Code (GSSoC)

- Enhanced open-source projects during GSSoC by resolving critical issues and improving core functionality, leading to a 50% reduction in reported problems.

Virtual Reality and Gaming Club Core Member

- Secured a technical team position as **1 of 8** selected from 100 applicants

Smart India Hackathon 2023

- Finalist in internal round, ranking top **50 out of 200 teams**.

Languages

English (Fluent), Hindi (Native), Japanese (learning)