

# Amitesh Mishra

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## Education

**VIT Bhopal University**

*CGPA 8.85*

**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, Express.js, Pandas, NumPy, Scikit-learn, Matplotlib

**Tools & Platforms:** Git, Firebase, Postman

## Projects

### Human Activity Recognition

December 2024

- Engineered deep learning models for Human Activity Recognition research, implementing **CNN**, **LSTM**, and hybrid **LRCN** architectures across multiple datasets (UCF11, UCF50, UCF101) containing diverse YouTube video activities.
- Surpassed existing research benchmarks by achieving **95.12% accuracy** on UCF101 dataset, outperforming previously published LRCN model results by 3+ percentage points.
- Tech Stack:** TensorFlow, Keras, OpenCV, NumPy, Scikit-learn, Python, Computer Vision, Sequential Modeling

### Phishing Simulation & Security Bot

June 2024

- Architected automated phishing simulation platform that extracts domain-specific emails via **Hunter API** and deploys controlled phishing campaigns for cybersecurity awareness testing.
- Developed intelligent security bot leveraging **OpenAI API** for email legitimacy analysis and content classification, securing **4th place out of 15 teams** at hackathon competition.
- Tech Stack:** Python, OpenAI API, Hunter API, Pandas, Machine Learning, Text Classification, NLP

### Freshmen Faculty Review Platform

May 2023

- Launched full-stack web platform enabling students to post and access faculty reviews, streamlining academic course selection and instructor evaluation processes.
- Scaled application to **4.5K active users** and **47K+ page views** within first 3 months, boosting monthly unique visitors by 2,000+ through organic growth.
- Tech Stack:** React.js, Firebase, Tailwind CSS, JavaScript

## 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)