

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

Technical Skills

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

Machine Learning AI: TensorFlow, Keras, OpenCV, Scikit-learn, NumPy, Pandas, Computer Vision, NLP

Web Development: React.js, Next.js, Express.js, Firebase, Tailwind CSS

Developer Tools: Git, Postman, RESTful APIs

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 Hactivate'24 hackathon.
- 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, NoSQL Database, Authentication

Achievements & Leadership

100 Days Of Code Challenge

- Maintained a 100-day coding streak on LeetCode, solving 200+ algorithmic problems across data structures and algorithms.

GirlScript Summer of Code (GSSoC) Contributor

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

Virtual Reality and Gaming Club Core Member

- Selected as 1 of 8 technical team members from 100+ applicants, contributing to club projects and event organization.

Smart India Hackathon 2023 Finalist

- Advanced to internal finals, ranking in top 50 out of 200 competing teams with innovative solution development.

Languages

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