

Amitesh Mishra

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Education

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| VIT Bhopal University CGPA 8.85 | Bachelor of Technology Computer Science and Engineering in AIML October 2022 - March 2026 |
| DAV Public School Bacheli 91.6% | 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

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| Human Activity Recognition | December 2024 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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

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| 100 Days Of Code Challenge |
| <ul style="list-style-type: none">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) |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">Secured a technical team position as 1 of 8 selected from 100 applicants |
| Smart India Hackathon 2023 |
| <ul style="list-style-type: none">Finalist in internal round, ranking top 50 out of 200 teams. |

Languages

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