

Vishal Kumar

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SUMMARY

Computer Science student specializing in Artificial Intelligence & Machine Learning with hands-on experience in full-stack web development and software engineering. Proficient in Python, JavaScript, React.js with strong problem-solving abilities in data structures, algorithms.

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, HTML5, CSS3, SQL

Frameworks & Libraries: React.js, Next.js, Express.js, Node.js, TensorFlow, scikit-learn

Tools & Technologies: Git, GitHub, REST APIs, JSON, MongoDB, MySQL, VS Code

Core Competencies: Data Structures and Algorithms, Machine Learning, Web Development, Computer Network, Database System.

PROJECTS

Chemical Equipment Parameter Visualizer | *Python, Django, React.js, PyQt5, Chart.js, Matplotlib* 2025

- Developed full-stack hybrid application supporting CSV upload, analytics, and interactive parameter visualization.
- Created Django REST backend with authentication, dataset history (last 5 uploads), and PDF report generation.
- Built React web UI and PyQt5 desktop client with real-time charts and summary statistics.

AI-Powered Note-Taking Application | *React.js, Next.js, Express.js, Python, MongoDB* 2024

- Developed full-stack collaborative platform with AI chatbot and real-time sync for 50+ users.
- Implemented JWT authentication, RESTful APIs, MongoDB integration, and responsive UI.

Personal Blog Website | *HTML5, CSS3, JavaScript* 2023

- Created responsive static blog website with modern UI and cross-browser support.
- Added interactive JavaScript features and optimized loading performance.

EXPERIENCE

Lead – Event Team, GeeksforGeeks Student Chapter Sept 2024 – Present

VIT Bhopal University Bhopal, India

- Led a 12-member team to plan and execute 15+ technical events, coding contests, and workshops.
- Coordinated logistics, marketing, and speaker sessions, increasing student participation across events.
- Organized hands-on workshops on Coding Contest and Programming for 150+ students.

EDUCATION

VIT Bhopal University Bhopal, India

B.Tech in CSE (AI & ML), CGPA: 8.83/10 Sept 2023 – Present

JVM Shyamali Ranchi, Jharkhand

Class XII, CBSE – 75.8% July 2022

Heritage International School Daltonganj, Jharkhand

Class X, CBSE – 91.6% July 2020

CERTIFICATIONS & TRAINING

Google IT Support Professional Certificate – Google (2026)

Oracle Generative AI Professional Certification – Oracle (2025)

Cloud Computing – NPTEL, IIT Kharagpur (2025)

AWARDS & ACHIEVEMENTS

Maintained 300+ day coding streak on LeetCode, GeeksforGeeks, and Codeforces

Finalist among 19000+ participants for Round-2 of ODDO Hackathon, Ahmedabad (2025)

Selected as Internal Finalist for Smart India Hackathon (SIH) 2025, Government of India.

HOBBIES

Cricket, Travelling, Music, Photography