

# 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

**Core Competencies:** Data Structures and Algorithms, Machine Learning, Web Development, 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