

VISHAL KUMAR OJHA

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EDUCATION

Vellore Institute of Technology, Bhopal, India (Expected - May 2027)

B.Tech - Computer Science and Engineering, Cumulative GPA: 9.32

Nirmala Convent Sr. Sec. School - 12th | Nirmala Convent High School- 10th

Higher Secondary - 91.0% & Matriculation - 92%

SKILLS

Frontend Development: HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js, Tailwind CSS, Flutter, responsive & accessible UI

Backend Development: Node.js, Express.js, Django, Flask, .NET, Django REST Framework, RESTful APIs, authentication (JWT, OAuth2), API documentation (Postman)

Databases & DevOps: MongoDB, MySQL, PostgreSQL, Firebase Firestore, Docker, Git, AWS (EC2, S3, Lambda), CI/CD, Appwrite

Tools & Collaboration: GitHub, Postman, Figma, Notion, system design basics, performance optimization

PROJECTS

Arno Codes (EdTech Platform) | React, Next.js, TypeScript, MongoDB Atlas, Figma

- Built a DSA learning hub for 150+ users with tag-based taxonomy and optimized routing, reducing content discovery time by 40%.
- Integrated MongoDB Atlas for real-time data sync, secure JWT authentication, and role-based access control.
- Applied UI/UX best practices via Figma, maintaining 99% uptime and 75% user satisfaction based on collected feedback.

AdViTy'a'25: Annual Techno-Cultural Fest of VIT | Typescript, Appwrite, React.js,

- Developed a user-centric portal for 130+ events, seamless UI performance and handling 600K+ interactions in a month.
- Built a high-performance event portal managing 130+ events with 600K+ requests over 30 days.
- Optimized backend to handle 550GB+ traffic, reducing server latency by 45%.

Farm-O-Help (Plant Disease Detector) | Flutter, TensorFlow Lite, Python, REST APIs

- Trained and deployed a CNN model on 10k+ plant images (85% accuracy) for mobile-based real-time disease detection.
- Implemented multilingual UI and integrated external APIs for soil health analysis to assist rural farmers.
- Deployed TensorFlow Lite model in Flutter app for real-time plant diagnostics.

PROFESSIONAL EXPERIENCE

Super Probs - SDE Intern

May 2025 - Present

- Engineered four new scalable React.js frontend components with Next.js framework, each fully integrated with Figma-based UI/UX system, which resulted in a 15% decrease in page load times.

Hindalco Industries Ltd. – Project Intern

April 2024 - June 2024

- Developed a full-stack internal dashboard that improved KPI tracking efficiency and decreased reporting time by 40%.
- Automated repetitive IT tasks with Python, cutting manual interventions by 30%

EXTRACURRICULAR ACTIVITIES

Responsibilities & Leadership

- President, Notion Community (VIT Bhopal, Apr 2025 – Jul 2025): Led a 150+ member tech community organized 4 workshops, 2 inter-college hackathons.
- Technical Co-Lead, E-Cell (VIT Bhopal, Sep 2024 – Present): Guided 15 developers and delivered 3 high-impact solutions to support campus entrepreneurs.
- Lead Coordinator – Health O' Hack (Organised by VIT Bhopal University in collaboration with Johns Hopkins University, Feb 2025): Coordinated international hackathon, managing sponsor relations, logistics, and team execution.

Achievements

- 3rd Place – C.N. X Notion Hackathon (Aug 2024)
- 8th Place – Buildathon Hackathon, Industry Conclave '24 (VIT Bhopal, Aug 2024)
- Finalist – Project-Expo, VIT Bhopal (Jul 2024)