

Vikas Singh

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Education

Central University of Haryana

Bachelor of Technology in Computer Science (GPA: 8.32 / 10.00)

Expected July 2028

Mahendergarh, Haryana

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming (C++), Operating Systems, Database Management Systems, Computer Networks, Discrete Mathematics

Experience

Web3Task

Full Stack Developer Intern

June 2026 – Present

Noida, Uttar Pradesh

- Collaborated in a team to deliver **2 client-side projects**.
- Developed the core login module and authentication workflows for an enterprise HRMS portal for internal use.
- Engineered secure Single Sign-On (SSO) authentication, dynamic dark mode features, and resolved critical production bugs for the Voice-to-Notes application.
- Optimized front-end performance and SEO for Traverse VPN and the Voice-to-Notes application, reducing Largest Contentful Paint (LCP) by **35%** and achieving consistent **90+ Lighthouse scores**.

Bytecode Learners Coding Club

Tech Lead

Nov 2025 – Present

Mahendergarh, Haryana

- Architected and deployed the official club web platform, integrating **TinaCMS** to streamline content updates and reduce administrative overhead by **40%**.
- Spearheaded technical workshops on Web Development and Git/GitHub, training **100+ students** and achieving a **95% positive feedback rating**.
- Mentored **25+ junior students** on career roadmaps and LinkedIn optimization, boosting their technical readiness and project profiles.
- Organized **5+ major technical events** and coding competitions across the college, driving a **50% increase** in active student community participation.

Projects

Drawly | React, Node.js, Socket.IO

- Developed a real-time multiplayer drawing and guessing game using React to render a dynamic, interactive front-end.
- Integrated Node.js and Socket.IO to power low-latency, synchronized canvas collaboration and live score tracking.
- Engineered a professional-grade web environment featuring seamless, concurrent dynamic room management.

AuditAI | React, AI Integration, Relational Database

- Architected an AI-driven SaaS Audit Engine in React, designed for scalable spend management and multi-tool cost optimization.
- Developed automated financial analysis logic that transforms dynamic user seat counts and tool inputs into high-value savings insights.
- Designed a robust relational schema for lead-generation data modeling and implemented secure, UUID-based public sharing functionalities.

ByteCode Learners Community Platform | React, TypeScript, TinaCMS, GitHub Actions, Node.js

- Built a headless CMS-backed community platform using React and TinaCMS, enabling non-technical members to manage club data (events, projects, team directory) via local JSON files.
- Engineered an automated CI/CD pipeline via GitHub Actions to validate Pull Requests and dynamically regenerate the repository's README.md by parsing CMS content via Node.js scripts.
- Configured continuous edge deployments on Vercel and implemented custom image proxies to enforce strict Markdown layout constraints and render responsive profile avatars across GitHub.

Technical Skills

Languages: C, C++, Python, JavaScript (ES6+), TypeScript

Frontend: HTML, CSS, Tailwind CSS, React.js, Next.js

Backend: Node.js, Express.js, WebSockets, REST APIs

Databases & Cloud: SQL, MongoDB, Firebase Hosting