VIKRAM SINGH

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Education

Indian Institute of Information Technology and Management, Gwalior   **July 2021 – June 2026**
Integrated B.Tech (Information Technology) and MBA   *CGPA: 7.02*

Experience

Full Stack Web Developer Intern   **July 2024 – September 2024**
Teachies Gateway | [Homepage](#)   *Remote*

- Built **5+ responsive web apps** using **React, Node.js, Express & MongoDB**, reducing load time by **40%** through optimized queries and caching.
- Team Collaboration & Leadership: Led a **3-member dev team** in Agile sprints, improving feature delivery speed by **25%** via daily standups and task prioritization.
- Fixed 50+ high-priority bugs (memory leaks, race conditions) in **React/Node.js**, **reducing crashes by 30%** and improving **Lighthouse performance score from 65 → 92**.

Software Engineering Intern   **April 2024 – May 2024**
NullClass | [Homepage](#)   *Remote*

- Engineered a full-stack web application using **Next.js (API routes)**, **TailwindCSS**, and **MongoDB**, reducing initial load time by **45%** and improving mobile responsiveness across devices.
- Integrated **AWS S3** for scalable media storage and launched the application using **Render** and **CI/CD pipelines**, increasing deployment speed by **60%** and automating release cycles.

Technical Skills

Languages: JavaScript(ES6+) · TypeScript · Python · C · C++ · SQL
Frontend: React.js · Next.js · Redux · TailwindCSS · Material-UI · HTML5/CSS3
Backend: Node.js · Express.js · FastAPI · RESTful APIs · GraphQL
Databases: PostgreSQL · MongoDB · MySQL · Redis
Cloud & DevOps: Docker · AWS (EC2/S3) · Vercel · Netlify · Render · CI/CD
Tools: Git/GitHub · Postman · ESLint · Husky · Thunder Client · JIRA

Projects

NovaAI | *Next.js (App Router), Gemini API, MongoDB, Stripe, Clerk, Tailwind CSS*   **January 2025**

- Architected a full-stack AI chat platform with **10+ core features**, including real-time streaming, multi-modal input (PDF/DOCX/image analysis), and persistent chat history using **5+ MongoDB collections**.
- Integrated secure user authentication with **Clerk** and a tiered subscription model using **Stripe**, handling **6+ webhook events** for premium feature access.
- Created a reusable component library of **22+ interactive elements** using Tailwind CSS and Framer Motion, reducing feature development time by **15 hours on average**.

Shopito | *React.js, Node.js, Express.js, MongoDB*   **April 2024**

- Designed and implemented **8+ MongoDB schemas** (User, Product, Cart, Order, etc.) with comprehensive RESTful APIs, improving data management efficiency by **40%**.
- Integrated **Razorpay** for secure transactions and **Cloudinary** for media storage, enhancing transaction speed by **35%** and media handling by **25%**.
- Deployed the platform on **Vercel** and **Render**, achieving a **30% boost** in responsiveness and increasing user satisfaction by **20%**.

Coursify | *MERN Stack, JWT, Razorpay API, Cloudinary*   **October 2023**

- Developed a scalable LMS with **JWT authentication** and role-based access control, handling **50K+ transactions** via Razorpay at a **99.8% success rate** for **1,000+ users**.
- Improved media performance with **Cloudinary CDN** and **lazy loading**, reducing average page load time by **35%** (**4.2s → 2.7s**) across **500+ monthly uploads**.

Achievements & Coursework

- **Knight** rank on LeetCode (Top **5%**) with peak rating of **1942**, solving **280+** problems.
- Spearheaded **Urja '23** data science conference with **200+ participants**, achieving **95% positive feedback**.
- Ranked **Top 5%** in Naukri Code 360 Array Challenges; solved **50+ problems** with **O(n)** optimizations.
- Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks.