

VIVEK MADDHESHIYA

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Education

Babu Banarasi Das University, Lucknow

Bachelor of Technology in Computer Science (CGPA of 8.04)

August 2023 – June 2027

Lucknow, India

Projects

Lobiie | *Next.js, Shadcn-UI, Clerk, Socket.IO, Zustand, Prisma, MySQL, WebRTC, Tailwind CSS* | 🐙 🔗

- Built a real-time communication platform supporting text, voice, and video interactions using **WebSockets (Socket.IO)** and **WebRTC**, with **Zustand** for global state management across the Next.js App Router.
- Implemented secure authentication and role-based permissions via **Clerk**, along with media sharing and customizable community/server management features using **shadcn/ui** and Tailwind CSS.
- Designed the data layer with **Prisma ORM** over **MySQL**, structuring relational schemas for users, servers, channels, and messages to support persistent, real-time updates.

HireBoost | *React, Vite, Node.js, Express, MongoDB, Gemini API* | 🐙 🔗

- Built an AI-powered resume optimizer that analyzes resumes against job descriptions using the **Google Gemini API**, generating ATS scores, keyword-gap analysis, and improvement suggestions.
- Engineered PDF parsing (**pdf-parse, Multer**) and a resume-history feature backed by **MongoDB (Mongoose)**; added multi-job comparison and LaTeX export for Overleaf-ready resumes.

Briefly | *Next.js, Tailwind CSS, Gemini AI, NewsAPI* | 🐙 🔗

- Built an AI-powered news aggregator using **NewsAPI** to fetch real-time headlines by topic, with a modern dark-themed, responsive UI built in Next.js and Tailwind CSS.
- Integrated **Google Gemini AI** to generate one-click AI summaries of articles, reducing reading time while preserving key information.

Certifications

- **Full Stack Web Development – MERN Stack (2026, PrepInsta)** – End-to-end MERN stack development covering React, Node.js, Express.js, and MongoDB with production-grade practices.
- **MongoDB Developer's Toolkit (GeeksforGeeks)** – CRUD mastery with Node.js; aggregation pipelines, indexing, and distributed database operations.
- **AWS (2026, PrepInsta)** – Cloud infrastructure, deployment pipelines, and AWS core services for scalable web applications.
- **J.P. Morgan Software Engineering Simulation (2024, Forage)** – Agile workflows, code reviews, and professional SDLC practices.

Technical Skills

Languages: C, Java, JavaScript, TypeScript, Python

Technologies: React.js, Next.js, Node.js, Express.js, REST APIs, TanStack Query

Databases: MongoDB, MySQL

Tools & Practices: Git, GitHub, AWS

Relevant Subjects: Data Structures & Algorithms, OOP, DBMS, Operating Systems