

UDAY KUMAR VERMA

Full Stack Developer

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Summary

Full-stack developer focused on real-time systems and AI-powered applications, with hands-on experience building low-latency architectures using WebSockets, RAG pipelines, and vector databases.

Projects

Apex Chat | [🌐 Live](#) [🔗 Code](#)

React | **Node.js** | **Socket.io** | **Pinecone** | **MongoDB**

- Built low-latency AI chat system using React, Node.js, Socket.io
- Implemented RAG pipeline using embeddings + Pinecone to improve response relevance
- Integrated **REST APIs** and **Gemini API** for real-time AI response generation
- Reduced request latency by **30%** via async backend optimization
- Designed scalable backend architecture with event-driven communication and efficient API handling

Youthiapa Reimagined | [🌐 Live](#) [🔗 Code](#)

ReactJS | **GSAP** | **Tailwind CSS**

- Built a responsive web application using **ReactJS** and **Tailwind CSS**, ensuring cross-device compatibility and performance
- Implemented animation workflows using **GSAP** to enhance visual engagement and user interaction
- Implemented clean navigation and content hierarchy to enhance **user experience (UX)** and accessibility

Work Experience

Opten Power

Apr 2024 – Jul 2024

Freelance Web Developer

Remote

- Delivered a production-ready website using Wix Studio under tight iteration cycles, balancing visual design constraints with platform limitations
- Structured content and navigation to reduce user friction, improving clarity of product messaging and call-to-action flow
- Identified SEO gaps in initial drafts and reworked page hierarchy and metadata to improve discoverability
- Delivered multiple client revisions under tight timelines without breaking UI consistency

Technical Skills

Frontend: React, TypeScript, Tailwind, Redux

Backend: Node.js, Express, REST APIs, Socket.io

Databases: MongoDB, PostgreSQL

AI/ML: RAG, Pinecone, LLM APIs(Gemini API)

Tools: Git, Vercel, Netlify, Render

Education

Institute of Engineering and Technology

Master of Computer Applications

Sep 2024 – May 2026

Lucknow, Uttar Pradesh

University of Lucknow

Bachelor of Computer Applications

Sep 2021 – May 2024

Lucknow, Uttar Pradesh