

Vivek

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EDUCATION

University School of Information, Communication and Technology

Bachelor of Technology in Electronics and Communication Engineering

New Delhi, India

2022 – 2026

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML/CSS

Frameworks & Libraries: React, Next.js, Node.js, Express.js, TailwindCSS, Framer Motion, REST APIs

Databases & Cloud: MongoDB, Supabase, Cloudinary, Vercel, Netlify

Developer Tools: Git, GitHub, VS Code, Postman, Docker

AI Integration: Google Gemini API, Prompt Engineering

Core Concepts: Authentication, OAuth, RESTful API Design, Serverless Functions, API Integration, Responsive Design, CI/CD

EXPERIENCE

IBM SkillsBuild (CSRBOX)

July 2025 – Aug 2025

Frontend Developer Intern

- Developed responsive and user-friendly web interfaces using modern frontend technologies, focusing on clean UI design and optimized component architecture for scalable applications.
- Integrated Google OAuth authentication and RESTful APIs to enable secure user login, protected routes, and seamless data communication between frontend and backend services.
- Collaborated on deploying production-ready applications using Vercel and Netlify, ensuring optimized build performance and smooth CI/CD workflows.
- Worked on AI-integrated systems and SaaS-style architecture by contributing to real-world projects involving API integrations and cloud-based services.

PROJECTS

Thumb-io | *React, TypeScript, Node.js, Express, MongoDB, Gemini API, Cloudinary*

2025

GitHub Repository | Live Demo

- Built a full-stack AI thumbnail generation platform that allows creators to generate professional thumbnails using prompts, styles, and color palettes. Designed an intuitive UI and scalable backend architecture for production usage.
- Integrated Google Gemini API for AI image generation and implemented Google OAuth authentication to secure user sessions and protect API routes across the application.
- Implemented Cloudinary-based cloud storage and CDN delivery for fast image optimization, secure downloads, and persistent thumbnail management.
- Deployed the complete full-stack application on Vercel using serverless API functions and optimized API performance for real-world usage.

PriceDrop | *Next.js, Supabase, Firecrawl, Recharts*

2025

GitHub Repository | Live Demo

- Built a Next.js-based product price tracking platform that monitors product prices and visualizes historical trends using Recharts. Designed a modern dashboard for tracking multiple products in real time.
- Implemented Google OAuth authentication and user data management using Supabase, enabling personalized dashboards and cloud database storage.
- Integrated Firecrawl for automated product data scraping and built server-side API routes in Next.js for scalable data fetching and processing.

ACHIEVEMENTS

Designed and deployed multiple full-stack AI applications integrating authentication, cloud storage, and external APIs, demonstrating end-to-end product development skills.

Strengthened modern web development skills by consistently building and deploying real-world projects using MERN stack and serverless platforms, focusing on scalable architecture and AI integration.