

VIKAS KUMAR

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EDUCATION

Meerut College

Bachelor of Science in Computer Science

Meerut, Uttar Pradesh, India

September 2022 – June 2025

Department of Professional Courses | Relevant Coursework: Data Structures, Algorithms, Web Development, Database Systems

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, HTML5, CSS3

Frontend Technologies: React.js, Next.js, Tailwind CSS, Responsive Web Design, UI/UX Design

Backend & Database: Node.js, MongoDB, Supabase, RESTful APIs

Developer Tools: Git, GitHub, VS Code, Postman, Vercel, DevOps Fundamentals

Specialized Skills: Full-Stack Development, AI Integration, Collaborative Real-Time Systems

PROJECTS

Collaborative Interpreter | *React.js, Node.js, WebSocket, Real-time Collaboration*

[Live Demo](#)

- Built real-time collaborative coding platform enabling multiple users to write and execute code simultaneously with instant synchronization and live output sharing
- Implemented WebSocket-based architecture for low-latency communication, supporting concurrent sessions with conflict resolution mechanisms for seamless collaboration
- Designed intuitive UI with React.js featuring syntax highlighting, code execution, and user presence indicators, deployed on Vercel with 99.9% uptime
- Integrated backend API for code interpretation and execution across multiple programming languages, ensuring security through sandboxed environments

MedScan AI | *Next.js, TypeScript, AI/ML APIs, Supabase, Tailwind CSS*

[Live Demo](#)

- Developed AI-powered health-tech web application that analyzes and summarizes medical documents, helping users understand complex medical information quickly and accurately
- Integrated advanced AI models for document parsing, text extraction, and intelligent summarization, processing medical reports with high accuracy
- Built responsive frontend with Next.js and TypeScript, implementing clean UI/UX design patterns with Tailwind CSS for optimal user experience across devices
- Presented at National-Level Hackathon at Chandigarh University, showcasing innovative healthcare solution to industry experts and judges
- Architected scalable backend infrastructure using Supabase for data storage and authentication, ensuring HIPAA-compliant data handling practices

ACHIEVEMENTS & ACTIVITIES

National-Level Hackathon Participant: Competed at Chandigarh University Hackathon, presenting MedScan AI health-tech solution among 100+ participating teams

Competitive Programming: Active LeetCode problem solver, consistently practicing algorithmic challenges and data structure problems

Open Source Contributions: Maintain active GitHub profile with multiple deployed full-stack projects demonstrating proficiency in modern web technologies

Continuous Learning: Self-taught developer with expertise in emerging technologies including AI integration, real-time systems, and cloud deployment

ADDITIONAL INFORMATION

Key Strengths: Problem-solving, rapid prototyping, user-centric design, cross-functional collaboration, agile methodologies

Languages: English (Fluent), Hindi (Native)

Interests: Building innovative web applications, exploring AI/ML technologies, contributing to open-source projects