

VIKESH MEHTA

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Skills

Languages: Python, C++, SQL, JavaScript, TypeScript

Technologies & Tools: React.js, Node.js, Express.js, Flask, Tailwind CSS, MongoDB, MySQL, PostgreSQL, Scikit-learn, Pandas, OpenCV, Generative AI (Gemini, WatsonX), GitHub Actions, WebSockets

Education

Vellore Institute of Technology, Bhopal
Bachelor of Technology, Computer Science and Engineering

Sep 2022 – Sep 2026
Cumulative GPA: 8.70/10

Projects

Smart Health - Rural Healthcare Platform 🌐 — React, TypeScript, Supabase, PostgreSQL Apr 2025 – Jun 2025

- Developed an AI-integrated healthcare platform for rural communities, enabling 24/7 access to medical assistance via 50+ smart health booths across underserved areas.
- Implemented core features like health checkups and virtual consultations, increasing healthcare accessibility by 40
- Designed responsive user interface with dark/light mode support, enhancing usability across 3 device types (desktop, tablet, mobile) for seamless user experience.
- Deployed advanced security features such as Row Level Security (RLS), ensuring user data privacy and compliance with healthcare regulations for 100

Plot Weaver - Generative AI Storyteller 🌐 — Flask, Google Gemini API, HTML/CSS/JS Apr 2025 – May 2025

- Built an AI-powered storytelling web application serving 100+ daily active users, integrating Google Gemini API with Flask backend for dynamic content generation.
- Boosted frontend performance by 30% through lazy-loading and script optimization techniques, ensuring smooth user interactions and reduced page load times.
- Streamlined deployments with automated CI/CD pipeline using GitHub Actions, cutting release time by 40% and enabling faster feature delivery.

BudgetBuddy - Personal Expense Tracker 🌐 — React, Node.js, Express, MongoDB Feb 2025 – Apr 2025

- Developed a comprehensive full-stack expense tracking application adopted by 250+ users, enabling secure expense categorization and budget monitoring with intuitive dashboard.
- Designed interactive visualization features using Chart.js and implemented intelligent alert systems, improving budget adherence by 25% and financial awareness.
- Integrated WebSocket-based real-time alerts at 80% threshold, lowering budget violations by 15% and providing proactive financial management.
- Optimized MongoDB indexing strategies and query performance, reducing API latency from 200ms to 100ms for enhanced user experience.

GitConnect - GitHub Profile Platform 🌐 — MERN, GitHub OAuth, Passport.js May 2024 – Jul 2024

- Led development of a comprehensive GitHub-authenticated MERN platform with 98% login success rate and 150+ active users exploring developer profiles.
- Delivered key features including repository likes, cloning functionality, and user insights dashboard, successfully indexing 1,000+ repositories with detailed analytics.
- Built intelligent tech stack parser to extract repository dependencies from package files, providing developers with comprehensive project analysis.
- Authored detailed onboarding guide and comprehensive API documentation, accelerating new contributor integration by 60% and improving developer experience.

Awards, Achievements & Leadership

- Presented research at "Viksit Bharat 2024"; selected among 168K+ applicants nationwide; addressed audience of 200+ professionals and government officials.
- Hackathons:** National Semi-Finalist – Flipkart Grid 7.0; Finalist – Smart India Hackathon 2024; 2nd Round – AI-Xplain Hackathon 2025.
- Research & Speaking:** Featured speaker at National Conference "VIVIBHA'24" (SGT University, Nov 2024), presenting innovative solutions in technology.

Certifications

- Full Stack Web Development – SMARTBRIDGE (🔗)
- Generative AI Using IBM WatsonX (🔗)
- NPTEL Cloud Computing (🔗)
- Microsoft AI Skills Challenge 2024 – Certified (Advanced AI Development Track)