

MEHUL SINGH

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GitHub — LinkedIn — Portfolio — LeetCode

EDUCATION

VIT Bhopal University

B.Tech in Computer Science

2022 - 2026

GPA: 8.31/10

TECHNICAL SKILLS

Programming: JavaScript, TypeScript, Java, C++, HTML5, CSS3

Frameworks: React.js, Next.js, Node.js, Express.js, RESTful APIs

Databases: PostgreSQL, MongoDB, Drizzle ORM, Prisma

Tools & Technologies: Tailwind CSS, ShadCN, Docker, Git, CI/CD, Vercel, AWS, Appwrite, Firebase

WORK EXPERIENCE

Junior Software Developer

Prefer Coding Secret

November 2024 - Present

- Led full-stack development initiatives using React.js, Next.js, and Node.js, improving loading times.
- Engineered and maintained the company website, increasing user engagement by 35%.
- Implemented SEO optimization strategies, boosting search rankings by 45% and organic traffic by 30%.
- Conducted code refactoring, reducing technical debt while enhancing system maintainability.
- Collaborated in Agile environments to deliver scalable solutions on time and within budget.
- Utilized CI/CD pipelines to streamline deployment processes, reducing deployment time.

PROJECTS

Serenity AI: Mental Health Companion

Nov 2024 - Mar 2025

- **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Gemini AI, Drizzle ORM, PostgreSQL, Node.js.
- Developed an AI-driven wellness platform with real-time sentiment analysis (92% accuracy) and mood tracking.
- Integrated a Gemini AI chatbot for personalized mental health guidance using natural language processing.
- Implemented secure data pipelines with PostgreSQL and JWT authentication, ensuring GDPR compliance.
- Achieved 98% user satisfaction with 25+ active users and 100+ journal entries within two months.

Air Globe: Weather & Atmospheric Guide

Aug 2024 - Oct 2024

- **Tech Stack:** Next.js, React.js, TypeScript, Tailwind CSS, Leaflet.js, OpenWeather API, RESTful Services.
- Built a progressive web app (PWA) with offline capabilities for real-time environmental data visualization.
- Engineered interactive geospatial features using Leaflet.js, improving user engagement.
- Developed a scalable email notification system handling 35+ subscriptions with a 100% delivery rate.
- Created an AI-powered query system using the Gemini API with 90% resolution accuracy and content moderation.

CERTIFICATIONS & SOFT SKILLS

Certifications: Web Development Certification - Coursera

Cloud Security Fundamentals - Google Cloud

Gen AI in Development - Udemy

Soft Skills: Collaboration, Problem-Solving, System Design, Effective Communication