

Sahil Vishwakarma

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EDUCATION

Lakshmi Narain College of Technology Bachelor of Technology - Computer Science Engineering	Expected July 2026 CGPA: 8.15/10
Jawahar Navodaya Vidyalaya, Sagar Higher Secondary Certificate (XII) - CBSE Board	April 2021 Percentage: 91.6%
Jawahar Navodaya Vidyalaya, Sagar Secondary School Certificate (X) - CBSE Board	April 2019 Percentage: 92.4%

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, SQL, HTML, CSS

Technologies & Frameworks: Next.js, React.js, Express.js, Node.js, Tailwind CSS, Prisma (ORM), PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub Actions, Vercel, Docker, Cloudinary, Postman, Redis

PROFESSIONAL EXPERIENCE

Frontend Developer Intern <i>TechGenesis (LNCT Incubation Center)</i>	September 2023 - February 2024 <i>Bhopal, MP</i>
<ul style="list-style-type: none">Engineered 8+ responsive websites using React.js, JavaScript, HTML/CSS achieving 95%+ client satisfactionDesigned visually appealing interfaces with Tailwind CSS, Framer Motion, GSAP, Three.js for enhanced user engagementCollaborated with 12-member startup team using shadcn/ui and frontend libraries for custom client solutionsReduced average project delivery time by 30% through reusable component architecture and efficient development practices	
Freelance Full Stack Developer <i>Mukul Verma & Co.</i>	March 2025 - April 2025 <i>Remote</i>
<ul style="list-style-type: none">Delivered enterprise-grade office management SaaS solution handling 50+ concurrent users with 99.9% uptimeConfigured multi-tier RBAC and 4 role-based dashboards with analytics, feeds, and task overviews, leveraging RESTful APIsIntegrated core workflows for task assignment, priority, billing approval, status tracking, and notificationsEnsured reliability with strong validation, centralized error handling, and Cron jobs for expiry, cleanup, and maintenance	

PROJECTS

Office Pilot - Workspace Management SaaS	<i>Live Demo · GitHub</i>
<ul style="list-style-type: none">Created full-stack SaaS using Next.js, TypeScript, Tailwind CSS, Prisma, PostgreSQL, Redis, Cloudinary, Socket.ioArchitected many-to-many schema; improved performance with lazy loading, SSR, and cursor-based paginationImplemented real-time chat and notifications using WebSockets with Redis Pub/Sub for seamless communicationSecured platform with Role-Based Access Control (RBAC), NextAuth.js, Zod validation, bcrypt hashing, and Redis cachingDelivered responsive UI with theme toggle, local storage, and full-screen UX enhancements for better user experience	
True Feedback - Progressive Web App	<i>Live Demo · GitHub</i>
<ul style="list-style-type: none">Built anonymous feedback platform using Next.js, React, TypeScript, OAuth, OTP validation, JWT, NextAuthIntegrated OpenAI API and Vercel AI SDK for AI-generated suggestions and category-wise feedback filtering capabilitiesCrafted fully animated, responsive UI using Tailwind CSS, Framer Motion, lucide-react for engaging user experienceHandled secure feedback storage and updates via MongoDB/Mongoose; validated forms with Zod and React Hook Form	
Oil Spill Detection System - Group Project	<i>Live Demo · GitHub</i>
<ul style="list-style-type: none">Delivered dashboard using Next.js 15 with SSR to visualize oil spill segmentation maps and confidence scoresCoded ML inference pipeline using U-Net and DeepLabV3+ models with Python, FastAPI, Hugging Face for 95%+ accuracyContainerized backend using Docker, deployed on Render with optimized image processing pipelines and secure CORSEstablished CI/CD workflows using GitHub Actions for automated linting, Docker builds, deployment to Vercel and Render	

CERTIFICATIONS

NPTEL: Programming in Java · Database Management System · Computer Networks

AWS: Cloud Foundations Certification

ACHIEVEMENTS

- Participated in Smart India Hackathon (SIH) 2024 and 5+ competitive hackathons
- Recognized as “Elite” by NPTEL for Programming in Java (82%) — IIT Kharagpur