AMIT USARA

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Full Stack Developer | MERN Stack | Next.js | TypeScript | AWS | DevOps

EDUCATION

Indian Institute of Information Technology (IIIT) Bhagalpur — Bhagalpur, India

*Bachelor of Technology (B.Tech) in Computer Science and Engineering **(CGPA: 7.3)*** — *Expected May 2026*

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript, Redux Toolkit, Tailwind CSS, Framer Motion, HTML5, CSS3
Backend: Node.js, Express.js, MongoDB, Mongoose, RESTful APIs, Socket.io, WebSocket, JWT Authentication
Languages: JavaScript, TypeScript, C, C++, Python
DevOps & Cloud: AWS (EC2, S3), Docker, Render, Vercel, Git, GitHub, CI/CD Pipelines
Tools: bcrypt, Cloudinary, jsPDF, Joi Validation, Nodemailer, Multer, CORS, Helmet, Postman
Other: Agile Development, Database Design, API Design, Responsive UI/UX, Performance Optimization

PROJECTS

Benchmark – Smart Attendance Management System

- Developed a QR code-based attendance system using the MERN stack, serving 1000+ students and 50+ faculty members with 99.5% uptime, and reducing manual processing time by 75%
- Engineered real-time data synchronization using Socket.io with JWT-based authentication for three user roles (Admin, Faculty, Student), including auto-expiring QR codes and time-based validation
- Designed a React.js analytics dashboard with data visualizations and downloadable PDF reports, optimized MongoDB queries to improve performance by 60%, and deployed the system on Vercel and Render

StudyNotion – EdTech Full-Stack Platform

- Built a full-stack EdTech platform using the MERN stack with integrated video streaming, enabling 100+ instructors to create and sell courses while securely processing 500+ payments via Razorpay
- Established secure JWT authentication with refresh tokens for students and instructors, implemented automated email notifications, and developed a responsive course player with progress tracking
- Created advanced search functionality using MongoDB text indexes, built an instructor dashboard with analytics and revenue insights, and used Cloudinary for scalable video management serving 2000+ learners

HostelMate – Hostel Issue Management PWA

- Architected a Progressive Web App with offline support using service workers for 500+ hostel residents, improving issue resolution time by 50% while handling 200+ monthly requests
- Integrated real-time notifications using Socket.io and automated issue escalation through Node.js cron jobs based on priority levels and resolution deadlines
- Designed an admin panel with issue categorization, status tracking, and analytics dashboards, while configuring secure image uploads using Multer and Cloudinary

CERTIFICATIONS

- Web Development Bootcamp (MERN Stack) – Hands-on training in MongoDB, Express.js, React.js, and Node.js

ACHIEVEMENTS & LEADERSHIP

- Secured a Top 6 position among 65+ teams in the Smart India Hackathon (SIH) internal round by delivering innovative technical solutions through effective team collaboration
- Serving as Team Lead of Unnati Welfare NGO Society, managing a team of 15+ volunteers and coordinating education-focused social welfare initiatives
- Led the college-wide rollout of the Benchmark Attendance System, achieving 99.5% adoption across 1000+ students and significantly reducing administrative overhead by 80%