

# Aashish Raj

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## EDUCATION

### Vellore Institute of Technology

Sep. 2022 – May 2026

*Bachelor of Technology in Computer Science and Engineering*

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, C++, Java, SQL, HTML/CSS, Shell/Bash

**Frameworks:** React.js, Next.js, Node.js, Express.js, React Native, TailwindCSS, Styled-Components, Framer Motion

**Tools:** Git, Docker, Jenkins, AWS, MongoDB, PostgreSQL, Prisma, Firebase, Vercel, Leaflet.js, Clerk

## EXPERIENCE

### Frontend Developer

May 2025 – Oct. 2025

*Spinach*

*Remote*

- Designed responsive UI components using Next.js and Styled-Components across 15+ pages, improving UX for 5,000+ daily users and reducing development time by 40%
- Created component library with 25+ reusable elements including buttons, modals, and forms, accelerating feature delivery by 3 weeks
- Integrated 50+ accessible Figma SVG assets as typed React components ensuring WCAG 2.1 AA compliance, improving accessibility score from 72 to 95
- Optimized state management and routing with Framer Motion animations, enhancing performance by 35% and reducing page load time from 2.1s to 1.2s

### Full-Stack Intern

Jun. 2024 – Sep. 2024

*YMoney*

*Hybrid*

- Engineered micro-savings mobile app in React Native serving 10K+ users across 6 modules with real-time tracking, increasing retention by 30% and engagement by 45%
- Designed 12 RESTful APIs with Node.js and Express handling 50K+ daily requests, reducing response times by 40% and integrating 4 payment services
- Automated backend processing for 2,000+ monthly transactions with 99.9% uptime and zero downtime, boosting investment engagement by 20%

## PROJECTS

### Syncsy | TypeScript, Next.js, PostgreSQL, Prisma, WebSockets

2024

- Constructed real-time platform supporting 100+ concurrent users with WebSocket integration, achieving sub-100ms synchronization latency
- Deployed PostgreSQL with Prisma ORM managing 10K+ records, reducing query errors by 95% and improving retrieval speed by 60%
- Established responsive UI with Next.js 14 App Router across 20+ components and built scalable backend API supporting 1,000+ users

### UrbanEyes | TypeScript, Next.js, MongoDB, Leaflet.js, Clerk

Apr. 2025

- Delivered surveillance management system processing 500+ camera feeds with real-time visualization for 50+ city officials across 3 departments
- Secured platform with Clerk authentication for 200+ users and developed MongoDB backend managing 15K+ records across 4 permission levels
- Optimized MongoDB pipelines handling 5K+ daily queries, reducing latency by 70% from 3.2s to 0.9s for complex searches

### Learnod V2 | JavaScript, React.js, Node.js, MongoDB, Monaco Editor

Dec. 2024

- Launched learning platform with 30+ tutorials and real-time code editor, supporting 500+ learners across 8 programming languages
- Incorporated React Monaco Editor with syntax highlighting achieving 95+ Lighthouse score and 2.1s average page load time
- Crafted UI with 10+ tutorial scenes and implemented RESTful API storing 2K+ user records, increasing completion rate by 40%

## ACHIEVEMENTS

**Rajasthan Police Hackathon 1.0:** National finalist, top 5 out of 88 teams | **WEB-VIBE Hackathon:** Third position, SDC Club VIT Bhopal

## CERTIFICATIONS

JavaScript Algorithms (freeCodeCamp) | MongoDB Admin (MongoDB University) | Advent of Cyber 2024 (TryHackMe) | GitHub Foundations | Front-End Domination (Sheriyans)