

VEDANG KUMAR TRIPATHI

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EXPERIENCE

MERN Stack Developer Intern

March 2026 – June 2026

CrowdBuzz Technologies Pvt. Ltd.

Remote

- Engineered and maintained scalable full stack web applications using React.js, Node.js, Express.js, and MongoDB, applying MVC architecture and clean, reusable code.
- Designed and implemented RESTful APIs and integrated third-party services to power business-critical workflows across frontend and backend.
- Executed JWT authentication and role-based access control (RBAC) to secure endpoints and enforce permission tiers.
- Enhanced backend services and database queries to improve application performance, reliability, and scalability.

Full Stack Developer Intern

September 2025 – March 2026

3W Business Pvt. Ltd. (TaskPlanet Project)

Remote

- Built and maintained the end-to-end TaskPlanet ecosystem – website, mobile app, backend APIs, and admin dashboard – using the MERN stack.
- Built and integrated REST APIs for authentication, notifications, and task management, ensuring reliable data flow across clients.
- Engineered real-time notifications and streamlined backend services to reduce latency and improve responsiveness.
- Collaborated within Agile sprints across development, testing, deployment, and support throughout the SDLC.

PROJECTS

AI Medical Voice Agent React.js, Node.js, OpenAI GPT, PostgreSQL

[Live Demo](#) | [GitHub](#)

- Built an AI-powered voice medical assistant using React.js, Node.js, OpenAI GPT API, PostgreSQL, Vapi, and PlayHT.
- Enforced real-time speech-to-text and text-to-speech pipelines for natural, low-latency voice interactions.
- Improved backend processing and database queries, reducing response latency by 15%.

Background Remover React.js, Node.js, Clipdrop API, JWT

[Live Demo](#) | [GitHub](#)

- Created an AI-powered image background removal platform using React.js, Node.js, and the Clipdrop API.
- Integrated JWT and Clerk authentication for secure, role-based user management.
- Automated build and deployment through Vercel CI/CD pipelines.

EDUCATION

Bachelor of Technology in Computer Science, United Institute of Technology (AKTU)

2022 – 2026

CGPA: 7.9 / 10

TECHNICAL SKILLS

Languages JavaScript (ES6+), TypeScript, Java

Frontend React.js, Next.js, HTML5, CSS3, Tailwind CSS

Backend Node.js, Express.js, REST APIs, JWT Authentication, API Integration

Databases MongoDB, PostgreSQL

Tools Git, GitHub, Postman, Vercel, Clerk, Razorpay, OpenAI API

Concepts OOP, MVC Architecture, Agile, SDLC, Full Stack Development

CERTIFICATIONS & ACHIEVEMENTS

- HackerRank Certifications: Problem Solving, HTML, CSS, JavaScript, and React.