VISHAL VISHWAKARMA

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PROFESSIONAL SUMMARY

Full Stack Developer skilled in **React**, **Next.js**, **Node.js**, and **TypeScript**, experienced in delivering scalable full-stack systems, real-time features, and cloud-based workflows. Built production-grade APIs and serverless components during internship at Tecell India. Strong problem-solver with 350+ DSA solutions and hands-on ownership of modern architectures.

EXPERIENCE

Software Engineer Intern   Feb 2025 – Jul 2025
Tecell India Private Limited   *Remote*
– Optimized high-performance **REST APIs** with **Node.js + Express.js**, boosting backend throughput by **30%**.
– Developed **reusable React + TypeScript** components to accelerate feature delivery and maintain UI consistency.
– Designed and deployed reliable **AWS Lambda** workflows that reduced infra overhead and improved stability.
– Collaborated via **CodeCommit PR workflows**, following standard branching and peer-review practices.
– Enhanced monitoring and debugging using **CloudWatch** logs and AWS-native tooling for faster issue resolution.

PROJECTS

Drazy (Active Development) | *Next.js, Node.js, TypeScript, WebSockets, PostgreSQL, Prisma*   GitHub
– Developing a real-time collaborative whiteboard with **multi-user sync** and scalable **room-based architecture**.
– Designed a multi-service system: **Next.js frontend**, a low-latency **WebSocket server** (<100ms sync), and a **Node.js API backend** for persistence.
– Implemented an **in-memory queue + 2s batch writes** to reduce redundant DB operations and improve backend efficiency.
– Built an OOP-based **TypeScript Canvas Engine** enabling maintainable rendering, shape operations, and tool logic

Food Share | *React.js, Node.js, MongoDB, Recoil, Tailwind CSS, Cloudinary*   Live Demo | GitHub
– Built a full-stack platform connecting restaurants with NGOs to **redistribute surplus food** and streamline donation logistics.
– Implemented secure **JWT + bcrypt authentication** with robust **Zod**-based input validation.
– Integrated **Cloudinary** to optimize image delivery and reduce backend payload size.

Image Gini | *React.js, Node.js, MongoDB, Razorpay, Tailwind CSS*   Live Demo | GitHub
– Developed an **AI-powered text-to-image generator** with a credit-based payment system using **Razorpay**.
– Implemented secured **JWT-based authentication** and optimized backend pipelines to reduce inference latency.
– Designed end-to-end **payment verification + credit assignment** workflows for seamless user experience.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, C++, Java
Frontend: React.js, Next.js, Tailwind CSS, Redux, Recoil
Backend: Node.js, Express.js, REST APIs, WebSockets, Authentication (JWT/OAuth)
Databases: PostgreSQL, MongoDB, SQL
Cloud & Tools: AWS Lambda, DynamoDB, CloudWatch, Vercel, Render, Git, Postman, Prisma, Cloudinary
Core CS: Data Structures & Algorithms, OOP, DBMS, OS

EDUCATION

Mahakal Institute of Technology and Management, R.G.P.V.   2022 – 2024
Master of Computer Application (MCA), 7.39 CGPA   *Ujjain, India*
Advance Science and Commerce College, Vikram University   2018 – 2021
Bachelor of Science, Computer Science, 7.70 CGPA   *Ujjain, India*

ACHIEVEMENTS

– Solved **350+ DSA problems** across LeetCode, CodeStudio, and GFG with strong focus on optimization and problem-solving depth.

– Built and deployed multiple **production-grade full-stack applications** demonstrating ownership, scalability, and real-world engineering practices.