

Praveen Raj Srivastav

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EDUCATION

Nitte Meenakshi Institute of Technology

B.E. in Electronics & Communication Engineering | CGPA: 9.26/10

Bangalore, India

Aug 2023 – May 2027

DAV Public School, Hehal

Class 12 (CBSE): 90% | Class 10 (CBSE): 93.4%

Ranchi, India

2020 – 2022

EXPERIENCE

Open Source Contributor — Palisadoes Foundation (Talawa API)

Remote

Backend & Testing Engineer

2025

- Authored **40+ Unit & Integration tests** using **Vitest/Jest** for a production TypeScript/GraphQL API, achieving **90%+ code coverage** and reducing CI regression failures by **~60%**.
- Reviewed **10+ pull requests**, resolved **5+ critical bugs**, and shipped **3 backend features** on a **TypeScript + GraphQL + Node.js** codebase; containerized via **Docker** with **GitHub Actions** CI/CD.

Full Stack Developer Intern

Bangalore, India

Shopto AI

2025

- Engineered a **MERN-stack Restaurant POS** managing **5+ concurrent order streams**, reducing manual billing errors by **~40%** and cutting order-to-kitchen dispatch latency by **~30%**.
- Optimized **4 high-traffic REST APIs** with **Redux Toolkit** state management and server-side caching, improving average response time by **~35%** under peak concurrent load.

PROJECTS

Nexus — Video Hosting Backend | Node.js, Express.js, MongoDB, Cloudinary, JWT

[GitHub](#)

- Architected a **multi-entity backend** across **6+ Mongoose schemas** (users, videos, subscriptions, playlists) with **JWT auth** (Access/Refresh tokens + HTTP-only cookies), achieving **zero auth vulnerabilities** in testing.
- Built **8+ MongoDB aggregation pipelines** for real-time analytics (watch history, dashboard views); integrated **Multer + Cloudinary** middlewares reducing media upload processing time by **~50%**.

Zentry — Production-Grade Blogging Platform | React, Redux Toolkit, Tailwind, Appwrite

[GitHub](#)

- Scalable platform for upto **1,000+ users** with **3-tier RBAC**, real-time editing, and **Appwrite** OAuth; architected **15+ reusable components** reducing feature development time by **~40%**.
- Improved page load performance by **~25%** via **SEO-optimized slug routing** and lazy loading; enforced **100% form schema validation** using **React Hook Form** across all **5+ submission flows**.

TECHNICAL SKILLS

Languages: Java, C, TypeScript, JavaScript, GraphQL, SQL

Frontend: React.js (Vite), Redux Toolkit, Tailwind CSS, React Hook Form

Backend: Node.js, Express.js, REST APIs, GraphQL APIs

Databases: MongoDB (Mongoose), DrizzleORM

DevOps & Tools: Docker, Kubernetes (Basics), GitHub Actions, Cloudinary, Appwrite

Testing: Vitest, Jest (Unit & Integration)

Soft Skills: Teamwork, Leadership, Verbal & Written Communication, Analytical & Solution-Oriented

ACHIEVEMENTS & AWARDS

1st Prize — IIT Hyderabad Founders Forum: Won top honors among **200+ national participants** in an entrepreneurship and technology innovation competition.

1st Runner-Up — IIT Madras Boardroom Competition: Placed **2nd out of 50+ teams** in a high-stakes business strategy and case competition.

1st Runner-Up — I-Solve Hackathon (Bangalore Traffic Police): Delivered a working technical solution within a **24-hour** sprint, placing **2nd out of 80+ teams**.

Finalist — KPIT K-Impact 2025: Engineered a Peltier-based EV battery thermal-management system reducing overheating risk by actively regulating cell temperature across **3 thermal zones**.

Intel Unnati Industrial Training: Fine-tuned **2 LLMs** for CPU-based inference to build a custom domain chatbot with **~85% response accuracy** on benchmark queries.