

THUSHAR T L

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github.com/Thushar070 | Portfolio | Chennai, India

Education

Sri Sivasubramaniya Nadar College of Engineering Bachelor of Engineering in Computer Science and Engineering CGPA: 7.79 / 10 (after 4 semesters)	Chennai 2024–2028
Kids Club Matriculation Higher Secondary School Class 12: 96.67% Class 10: 96%	Tiruppur 2022–2024

Experience

Blastorz

Freelance Full-Stack Developer | Remote May 2026–Jun 2026

Tech Stack: Next.js · TypeScript · Supabase · Tailwind CSS · PWA

- Reduced inventory reconciliation from hours to minutes across four shop branches by implementing transactional PostgreSQL RPC functions with row-level locking.
- Closed a recurring cash-skimming loophole by adding role-based authorization and audit logging.
- Built an installable, offline-first Progressive Web App with real-time dashboards for tracking inventory, sales, and profit.

BytesBrush

Freelance Frontend Developer | Remote Mar 2026–May 2026

Tech Stack: Next.js · TypeScript · Neon · Web Audio API

- Integrated an existing HTML Canvas component into the Next.js dashboard for Drona, an educational platform where instructors and students interact in a classroom-like interface while patient monitoring data streams in over WebSockets.
- Hooked up the dashboard to the existing WebSocket stream so live monitoring data rendered on the canvas in real time.
- Ran alpha testing on the dashboard and logged bugs for the team to fix.

Projects

QueueLess

GitHub

Tech Stack: Next.js · TypeScript · Supabase · Prisma · Hermes-Relay

- Built a multi-tenant virtual queue platform that lets multiple businesses manage customer queues at once through QR code-based check-ins and live queue tracking.
- Used atomic, transaction-based state machine operations to prevent race conditions during concurrent updates.
- Enforced strict tenant isolation with Row-Level Security policies so each business's data stayed fully separated.

TrustLance

GitHub

Tech Stack: Next.js · TypeScript · Neon · Prisma · Twilio

- Built an escrow-based freelance marketplace with a transaction-safe workflow that keeps funds protected until a project is completed.
- Added secure authentication and role-based permissions to block unauthorized payment actions, backed by full audit trails.
- Modeled escrow transactions as explicit state transitions to keep behavior consistent during disputes and refunds.

Meritus

GitHub

Tech Stack: React.js · TypeScript · NestJS · Supabase · Redis

- Built an adaptive AI interview platform that tailors sessions based on resumes, target roles, and candidate responses.
- Designed a structured evaluation workflow that gives recruiter-style feedback on technical and behavioral performance.
- Built resilient session management to handle concurrent interviews, including moderation safeguards and recovery from interrupted sessions.

Technical Skills

- **Languages:** Java, Python, C, JavaScript, TypeScript, SQL
- **Frameworks & Technologies:** React.js, Next.js, Tailwind CSS, NestJS, Express.js, FastAPI, TanStack Query, REST APIs, WebSockets
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Tools & DevOps:** Docker, Git, GitHub, Linux, Postman, Prisma ORM, Supabase, Neon, Vercel, Render, AWS S3, CI/CD
- **Core CS:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, System Design

Leadership and Club Activities

- **Core Committee Member – SSN Coding Club:** Conducted DSA mentoring sessions for junior students and helped organize competitive programming events through the SSN Coding Club.
- **Technical Team Member – AI Student Chapter:** Organized AI workshops, technical events, and hands-on learning sessions as part of the AI Student Chapter.

Achievements

- **3rd Place – Capture The Flag Competition, SNU Chennai:** Placed 3rd among 150+ teams by solving challenges in reverse engineering, cryptography, web exploitation, and digital forensics.
- **Finalist – ImpactNexus Hackathon, Coding Club SSN:** Finished among the top 25 out of 400+ participating teams.