

Chinthaparthi Prashanth Kumar Reddy

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PROFESSIONAL SUMMARY

Full-stack developer experienced in building scalable multi-tenant SaaS platforms with real-time systems, secure authentication, and production-grade performance. Skilled in React, PostgreSQL (RLS), Java, and payment integrations, with a record of delivering high-quality systems validated by IEEE-published research and **1,300+** automated tests. Currently seeking full-time SDE roles (July 2026) specializing in full-stack development, real-time systems, or SaaS platforms.

TECHNICAL SKILLS

- **Languages:** Java, JavaScript (ES6+), SQL, TypeScript, HTML5, CSS3
- **Frontend:** React 18, React Router, Vite, TanStack Query, Zustand, Framer Motion, Tailwind CSS, Chart.js
- **Backend & Database:** PostgreSQL, Supabase, Deno Edge Functions, REST APIs, Row Level Security (RLS)
- **Authentication & Security:** JWT, OAuth, RBAC, CSP, Session Management
- **Real-Time Systems:** WebSocket, Supabase Realtime, Event-Driven Architecture
- **Payments:** Razorpay, PhonePe, Paytm, Split Payments, Webhooks
- **Testing:** Vitest (**1,300+** tests), Playwright (E2E), Accessibility (axe-core)
- **Tools & DevOps:** Git, VS Code, npm, ESLint, Prettier, Vercel, CI/CD, Sentry
- **Architecture:** Multi-Tenant SaaS, DDD, Code Splitting, Serverless Functions

PROFESSIONAL EXPERIENCE

- **Software Engineer Intern** Aug 2025 – Oct 2025
Isree Research Software Development Labs Pvt. Ltd., Bangalore
Designed RESTful Java APIs, improving uptime by **30%** and supporting **10,000+ concurrent users**. Enhanced SQL queries reducing response times by **25%**. Deployed secure RBAC-based access control and delivered features **15% ahead of schedule** using Agile pipelines.
- **Machine Learning Intern** Mar 2025 – May 2025
Intrainz, Hyderabad
Developed fraud detection models in Java + Scikit-learn, improving accuracy by **7%** and reducing false positives by **15%**. Automated preprocessing workflows cutting pipeline time by **25%**.

PROJECTS

- **PRAAHIS – Multi-Tenant Restaurant Management SaaS (2025)**
React 18, Vite 6, PostgreSQL, Supabase, TanStack Query, Zustand, Deno Edge Functions, Tailwind CSS
www.praahis.me
 - Architected a multi-tenant SaaS with **300+ components**, **5 user roles**, JWT+RBAC authentication, RLS-secured PostgreSQL (25+ tables, 60+ SQL migrations), and real-time WebSocket order tracking.
 - Enhanced performance: streamlined PostgreSQL queries achieving **<100ms API latency for 95% of calls**; deployed caching reducing DB load by **40%** during peak hours.
 - Integrated Razorpay, PhonePe, and Paytm with split payments and webhooks; deployed serverless Deno Edge Functions on Vercel. Built full dashboards for all roles and added monitoring with Sentry.
 - Developed **1,300+ Vitest unit tests** and **6 Playwright E2E suites**. Resolved a real-time race condition affecting **15%** of concurrent users by applying optimistic locking using PostgreSQL advisory locks.
- **Portfolio Website (2024)**
React 18, Vite 6, Tailwind CSS, Framer Motion | prashanth-k-r.vercel.app
Built a performant personal portfolio with scroll-triggered animations, typewriter effects, responsive layouts, and code-splitting for improved load times.

EDUCATION

B.Tech in Computer Science (AI & ML) — Mohan Babu University, AP (2022–2026) **CGPA: 8.4/10**
Intermediate (PCM) — Sri Chaitanya Jr. College, Tirupati (2020–22) **75%**
SSC — Kakatiya High School, Pileru (2020) **10/10**

LEADERSHIP & ACHIEVEMENTS

- **IEEE Publication:** Co-authored "Adaptive Thyroid Health Monitoring for Women" (ICKECS 2025) achieving **99.4%** accuracy. DOI: 10.1109/ICKECS65700.2025.11034898
- **Branch Coordinator – CETA (2023–24):** Led technical events for 50+ participants.
- **Core Member – ISTE (2022–23):** Conducted peer mentoring sessions.
- **Sports:** District-level Kabaddi captain; winner in Long Jump and 100m Sprint.

CERTIFICATIONS

- Machine Learning Intern – Intrainz (2025); MongoDB Developer Path – MongoDB University (2025)
- HackerRank: SQL (Advanced), HTML5, CSS3, JavaScript; Oracle Java SE Programming (2024)
- Cisco: Cybersecurity Essentials (2025); Agile and Web Development Fundamentals Workshops