

SHAIK SOHEL

FULL-STACK DEVELOPER

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SUMMARY

Full-Stack Developer - final-year B.Tech CSE student with two internships, building deployed, secure, data-intensive systems in TypeScript, React, Node.js, and PostgreSQL - from database schema design, SQL queries, and RLS-enforced authorisation to automated testing, CI/CD pipelines, and production observability. Collaborative Agile teamwork and clear written communication (8 Architecture Decision Records). English (Professional).

SKILLS

Languages: Python, JavaScript (ES6+), TypeScript (strict mode), SQL (PL/pgSQL), HTML5, CSS3

Backend: Node.js, Express.js, RESTful API Design, JWT & OAuth Authentication, Rate Limiting & API Security (Helmet, CORS)

Frontend: React.js, Next.js (App Router), Vite, Tailwind CSS, Framer Motion, Zustand, TanStack Query

Databases: PostgreSQL (Row-Level Security, triggers, functions), MongoDB (Mongoose, aggregation pipelines), MySQL

Deployment & Cloud: Render (web services + cron jobs), Vercel, MongoDB Atlas, Supabase (managed Postgres, Auth, Realtime, Edge Functions)

AI & Tooling: Claude Code, GitHub Copilot, Cursor (AI-assisted debugging & code reviews) | Ollama, PocketPal | Git, GitHub, Agile/Scrum, Linux CLI

Automated Testing, CI/CD & Observability: Vitest, Playwright (E2E), ESLint, GitHub Actions, CodeQL, Gitleaks, dependency review, Sentry (OTel-backed), PostHog

EXPERIENCE

Full Stack Developer Intern - Student Tribe, Hyderabad, India

August 2025 - January 2026

- Shipped a MERN-stack service request management platform featuring Role-Based Access Control (RBAC) end to end - from schema design to production deployment - as part of a 4-person team.
- Migrated core frontend modules from JavaScript to TypeScript (strict mode) with Next.js App Router, resolving type inconsistencies and improving refactoring safety across the codebase.
- Delivered real-time admin dashboards in React and Tailwind CSS to surface live service metrics and request analytics for operations staff.

AI Developer Intern - Swecha Telangana (VISWAM.AI), Hyderabad, India

May 2025 - July 2025

- Co-built Bhasha Seva, a multilingual voice-corpus collection tool (Python, Streamlit, WebRTC) with AI speech-to-text transcription review across 4 Indian languages; curated and cleaned the collected datasets to improve data quality for model fine-tuning.
- Integrated local LLM runtimes (Ollama, PocketPal) into application workflows, enabling fully offline AI inference capabilities.
- Delivered sprint-committed features in a 4-person Agile team, adhering to strict milestone and documentation standards.

PROJECTS

Klar - Real-Time Job-Market Intelligence Platform (Open Source)

2026

github.com/shaiksohell/Klar | Live: klar-dev.onrender.com | React, Node.js, Express, MongoDB, Tailwind CSS

- Built and deployed a full-stack analytics platform ingesting 550+ job postings per daily cycle from two independent APIs (Adzuna, Google for Jobs), maintaining a deduplicated corpus of 1,300+ active postings surfaced as skill-demand rankings, salary insights, and hiring trends.
- Engineered a cross-source de-duplication pipeline and a skill-taxonomy extractor tracking daily demand for 45 skills across 4,200+ time-series snapshots; optimised MongoDB aggregation queries behind a 6-hour cache with quota-aware scheduled ingestion.
- Hardened the API with Clerk auth, Helmet, CORS allow-listing, and per-route rate limiting; wired Sentry (OTel-backed) for error tracking and performance tracing; CI/CD via 4 Vitest suites, 8 Playwright E2E specs, CodeQL and Gitleaks on every push.

Pakka - Milestone Escrow Reference Implementation (Open Source, MIT)

2026

github.com/shaiksohell/Pakka | Live: mypakka.vercel.app | Next.js 15, TypeScript (strict), Supabase, PostgreSQL

- Implemented an atomic escrow state machine in PostgreSQL using SECURITY DEFINER + SELECT FOR UPDATE, ensuring every money-state transition is server-enforced; schema evolved across 37 versioned migrations with paired rollback scripts.
- Modelled an append-only ledger where every wallet movement sums to zero, with milestone auto-release via pg_cron; enforced 13+ Row-Level Security policies across 8 tables as the primary authorisation layer, documented across 8 Architecture Decision Records.
- Shipped realtime client/worker sync via Supabase Realtime as an installable PWA; wired Sentry + PostHog for production error tracking and product analytics; guarded regressions with a Playwright E2E smoke suite on every PR.

Hyderabad Metro Go - Route Planner (Open Source)

2025

github.com/shaiksohell/Hyderabad-Metro-Go | Live: [GitHub Pages](https://github.com/shaiksohell/Hyderabad-Metro-Go) | Vanilla JavaScript, HTML5, CSS3, Bootstrap 5

- Modelled 3 metro lines (59 stations, 3 interchange nodes) as a weighted directed graph; implemented 0-1 BFS (ride edges cost 1, interchange edges cost 0) to compute the fewest-stop path and detect line changes - entirely client-side, zero dependencies.
- Built a fare calculator (10 official fare slabs), travel-time estimator, and travel-tip engine; persisted recent trips in localStorage; rendered 59 station buttons with facility and parking panels via DOM manipulation - no framework, no build step.

EDUCATION & ACHIEVEMENTS

Malla Reddy Institute of Technology & Science - Hyderabad, India

2023 - 2027

Bachelor of Technology in Computer Science & Engineering - Expected May 2027

Relevant Coursework: Data Structures & Algorithms, Database Management Systems (DBMS), Operating Systems

MoE's Innovation Cell (IIC) - Government of India Recognition

2024-25

Team Lead (5-person team) | Integrated Student Data Management System | Yukti National Innovation Repository | TRL 4 | [View Certificate](#)