Rushikesh Panchal

Software Developer, Bengaluru, India

rrushikeshp8@gmail.com rrushikeshp89.github.io linkedin.com/in/rushikesh-panchal github.com/rrushikeshp89

Software Developer and recent B.Tech CSE (Data Science) graduate building full-stack TypeScript applications with Next.js, React, Node.js, and PostgreSQL, featuring server-side access control, transactional data integrity, and end-to-end testing. Seeking a Software Developer role to design, test, and ship reliable, production-ready code.

Projects

Grove HRMS | Next.js, TypeScript, PostgreSQL, Prisma, Tailwind CSS, Playwright — Source, Live

- Full-stack HRMS on Next.js 16 and Supabase Postgres with a 45-table Prisma schema (people, attendance, leave, payroll, recruitment) and a seeded 100-employee demo company.
- Server-side RBAC across 4 roles and 28 own/team/company-scoped permissions; every write goes through one Zod-validated, transactional, audit-logged action layer.
- Employee directory, permission-aware profiles, and an interactive org chart on a custom WCAG AA design system, covered by 130+ Vitest and Playwright/axe tests.

LeadHub CRM | TypeScript, React, Node.js, Express, SQLite (Turso / libSQL), Docker — Source, Live

- Full-stack B2B sales CRM with a shared TypeScript domain layer (Zod schemas, business rules) reused by client and server: one source of truth for pipeline and lead-scoring logic.
- Secure Express 5 REST API over SQLite via Turso (libSQL) with versioned migrations, foreign-key integrity, session auth, RBAC, and rate limiting.
- Shipped as a Docker image on Render with a Turso database: health checks, point-in-time restore, and GitHub Actions CI running type checks, end-to-end API tests and a container smoke test.

Stockroom: Inventory & Purchase Order ERP | TypeScript, React, Node.js, Express, SQLite — Source, Live

- Inventory ERP with a four-stage purchase-order workflow and four-layer RBAC across 3 roles and 20 permissions.
- Atomic order receiving and append-only stock history enforced by database triggers.
- Headless-Chrome UX audit tool: layout shift cut from 0.495 to 0.004; 956 undersized tap targets fixed.

Also: Tessaract (explainable résumé-to-job matching with deterministic weighted scoring); StrategyRoom.ai (two-agent investment research with a reasoning chain and citations); Readmission Shield (30-day readmission risk for diabetic patients, with SHAP reasons for every score).

Experience

Data Science Intern, Zetpeak — Oct 2025 to Jan 2026, Bengaluru, on-site

- Automated data-quality validation scripts in Python and SQL for ingestion pipelines, backed by automated tests, reducing ingestion-level errors by 15% and improving the reliability of downstream ML applications.
- Built statistical models (multivariate regression, K-means with Scikit-Learn) to surface hidden patterns in corporate datasets.
- Documented findings and translated them into business insights.

Business Analytics Intern, Maincrafts Technology — Jan 2026 to Apr 2026, remote

- Built interactive Power BI dashboards (DAX, Power Query) for business KPIs.
- Analysed data in Excel with pivot tables and XLOOKUP.
- Modelled table relationships and slicers so stakeholders can self-serve.

Education and certifications

B.Tech, Computer Science Engineering (Data Science), Garden City University, Bengaluru. CGPA 8.53/10 — Jul 2026

Google Gen AI Academy; McKinsey Forward Program; Google Data Analytics Professional Certificate

Skills

Languages	TypeScript, JavaScript, Python, SQL, HTML/CSS
Frontend	React, Next.js (App Router), Tailwind CSS, Radix UI, React Hook Form, React Router, Vite
Backend	Node.js, Express.js, Next.js Server Actions, REST API design, Zod, Better Auth, JWT, bcrypt
Databases	PostgreSQL (Supabase), SQLite, Prisma ORM, Migrations, Transactions and triggers
Security	Role-Based Access Control, Session authentication, Audit logging, Rate limiting
DevOps & tools	Docker, GitHub Actions (CI), Railway, Git, GitHub, Scikit-Learn, Power BI, Excel