

SIDDHARTH PARJANE

Full-Stack Software Engineer | React / Next.js | Node.js / NestJS | AI/LLM Applications

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PROFESSIONAL SUMMARY

Full-stack software engineer who independently designs, builds, and deploys complete products — React/Next.js and TypeScript on the frontend, Node.js/NestJS and Express on the backend, with PostgreSQL, MongoDB, and Prisma for data. Shipped an education-loan platform with a rule-based lead-scoring engine and a group-expense app built around a custom settlement algorithm, offline-first architecture, and automated test coverage. Experienced integrating LLM APIs (Groq) into application logic and deploying full stacks across Vercel, Railway, Render, and Neon.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Kotlin, SQL

Frontend: React.js, Next.js, HTML5, CSS3, Vite, Bootstrap, Framer Motion

Backend: Node.js, Express.js, NestJS, Flask, REST APIs, JWT

Databases / ORM: PostgreSQL, MongoDB, Prisma ORM

AI / LLM: Groq API integration, rule-based scoring engines

Cloud / DevOps / Tools: AWS, Vercel, Railway, Render, Git, GitHub, Postman, Linux

Other: Vitest, Testing Library, PWA, Zod, Fastify, PDF processing

PROJECTS

SplitBit — Group Expense Splitter & Settlement Engine

React 18 · Vite · JavaScript · Vitest / Testing Library | split-bit-alpha.vercel.app | github.com/Sid-parjane/SplitBit

- Engineered a MIN-FLOW settlement engine that reduces multi-payer net balances to an optimized, minimal set of transfers, with tested zero-sum settlement logic.
- Built the expense model to handle multi-payer bills, equal-split and individual/solo items, and tax/tip allocation, persisting all state client-side via localStorage with no backend.
- Implemented UPI payment QR generation, camera/image-based QR scanning, and one-click WhatsApp settlement messages, lazy-loading the QR module to keep the initial bundle small.
- Built a Data Vault for JSON backup, restore, and wipe with schema versioning and forward migration, a global ErrorBoundary crash shield, and hash-based routing; validated with 77+ unit/integration tests (Vitest, Testing Library).

EduFund AI — Education Loan Platform

Next.js · React · TypeScript · NestJS · PostgreSQL · Prisma | edufund-ai-app.vercel.app | github.com/Sid-parjane/edufund-ai

- Designed an 8-factor lead-scoring engine in NestJS that scores applicants 0–100 using CGPA, income, and loan history, storing explainable per-factor results in PostgreSQL.
- Built a dead-lead detection layer with 10+ heuristics to flag fake emails, invalid PAN numbers, and unrealistic loan-to-income ratios before scoring.
- Developed the stack end-to-end: a Next.js/TypeScript frontend with a 4-step auto-saving form, a NestJS/PostgreSQL backend, and the REST APIs connecting them.
- Deployed and maintained the live stack across Vercel (frontend), Railway (backend), and Neon (database).

TaskFlow AI — Full-Stack AI-Powered Task Manager

React · Vite · Framer Motion · Node.js · Express · MongoDB | taskflow-ai-flame.vercel.app | github.com/Sid-parjane/taskflow-ai

- Built a full-stack task manager with a React/Vite frontend, a Node.js/Express backend, and a MongoDB Atlas database, secured with JWT authentication.
- Integrated the Groq LLM API into product logic to power AI-assisted task planning and goal-to-task breakdown.
- Built an analytics dashboard with 7-day activity charts to surface task-completion trends; deployed the frontend on Vercel and the backend on Render.

WORK EXPERIENCE

Corporate Associate — Credence Resource Management, Kharadi, Pune

~6 Months

- Managed professional workflows and facilitated client communications in a fast-paced corporate environment.
- Collaborated with cross-functional teams to support day-to-day business operations.

EDUCATION

Bachelor of Engineering (BE), Computer Science

Nov 2022 – May 2027

Ajeenkya D Y Patil University, Pune

CERTIFICATIONS

- The Complete 2024 Web Development Bootcamp — Udemy (October 2024)
- 100 Days of Code: The Complete Python Pro Bootcamp — Udemy (September 2024)

HACKATHONS

- UI/UX Hackathon: Designing the Future — Design Company × NIT Patna, via Unstop
- Adobe India Hackathon — Round 1: Online MCQ Assessment + Coding, via Unstop
- L'Oréal Sustainability Challenge 2025 — Online Aptitude Assessment, via Unstop

LANGUAGES

Hindi (Native/Bilingual) · English (Fluent) · Marathi (Fluent)