

Siddharth Raj Sirimalla

📍 Hyderabad, India ✉ siddharthraj.cs@gmail.com ☎ 062623 83811 🌐 siddharthraj.vercel.app 📄 siddharth-raj-cs
🔗 siddharthrajs

EDUCATION

Thapar Institute of Engineering and Technology, BE in Computer Engineering Sept 2022 – June 2026

Nxtwave Disruptive Technologies, Course in Full-stack Development – Online Dec 2023 – June 2026

- Certifications in Python, JavaScript, Node.js, React.js, SQL
- Built 5+ projects and completed a comprehensive DSA course

SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, C/C++ , SQL

Front-End & Mobile: React, Next.js (SSR), React Native, Vite, Tailwind

Back-End & APIs: Node.js, Express, REST APIs, MVC, Auth (JWT/bcrypt), performance tuning, .NET

Databases & Cloud: PostgreSQL, MongoDB (Mongoose), Supabase (RLS), Appwrite, Firebase, Vercel/Netlify

Testing & Monitoring: Selenium, TestNG, Unit/Integration/Regression, CI/CD, Sentry

CS & Collaboration: Data Structures, Algorithms, OOP, Software Design, Git/GitHub, Agile/Scrum, Code Reviews

EXPERIENCE

Project Intern, Xebia – Remote June–July 2025

Built and shipped 2 full-stack apps; owned auth, payments, REST APIs, and deployments (MVC, Agile).

- Delivered 2 full-stack apps (React, Node.js/Express, MongoDB) with RESTful APIs and MVC.
- Secured user flows by implementing JWT/bcrypt authentication.
- Integrated Razorpay/Stripe with webhook handling, reducing checkout issues in UAT.
- Improved dev velocity using Redux Toolkit, React hooks, and Axios.
- Accelerated releases via env-based configs and CI/CD to Render, Vercel, and Netlify.

PROJECTS

CollabHub (<https://collab-hub-v0.vercel.app>) April 2025

An enterprise-ready web platform to connect university students for project collaboration, architected for scalability and performance.

- Architected and implemented a security-focused application using Supabase and PostgreSQL, enforcing role-based access control with Row Level Security across 4+ normalized tables.
- Wrote high-quality, performance-optimized code for the database layer, boosting query performance by 2x through efficient JOIN operations and trigger functions for data consistency.
- Engineered a scalable backend with RESTful APIs designed to handle 1000+ concurrent users through structured database indexing and error-tolerant implementation.
- Utilized Agile methodologies (Scrum) for sprint planning and milestone management, demonstrating the ability to work effectively in a dynamic, team-oriented environment.
- **Technologies:** Next.js, React.js, Node.js (via Next.js backend), TypeScript, PostgreSQL, RESTful APIs, Tailwind CSS, SSR

Superhero Directory <https://github.com/siddharthrajs/superheroes-directory-app> June 2025

Directory app that exposes a RESTful API and a React/TypeScript frontend to manage superhero records end-to-end.

- Delivered 100% CRUD functionality with Node.js, Express.js, and MongoDB, enabling seamless handling of 500+ superhero records with real-time validation.
- Ensured stable deployments across 3 environments using CORS and dotenv-based configuration, reducing config-related bugs by 80%.
- Built reusable, type-safe UI components in React + TypeScript, cutting UI-related code issues by 50% in code reviews.
- **Technologies:** Node.js, Express.js, MongoDB, Mongoose, RESTful APIs/Web Services, React, TypeScript, Vite, DaisyUI, CORS, dotenv, Git/GitHub.

Khaofy — Leftover Food Marketplace (In Progress) March 2025 – Present

Leading a 5-member team to build a mobile app that sells end-of-day surplus food; uses blockchain for listing verification and production monitoring.

- Introduced blockchain-based verification for ~100+ listings per cycle, ensuring 100% traceability and zero tampering incidents in alpha testing.
- Instrumented Sentry for real-time monitoring of crashes and errors, reducing bug resolution time from 6 hours to under 30 minutes.
- Configured secure backend roles using Appwrite for 3 user tiers, enabling granular access control with zero privilege escalation issues.
- **Technologies:** React Native, Appwrite, Sentry (monitoring), Blockchain (verification), RESTful APIs, TypeScript, GitHub Projects/PR reviews (version control & CI).