# SIDDARTHA RANGU

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## TECHNICAL SUMMARY

Full Stack Developer with hands-on experience in the MERN stack and production-level Next.js applications. Currently contributing as a Web Development Intern at Codestam Technologies, specializing in TypeScript-driven UI development and Firebase integrations. Strong focus on performance optimization and scalable architecture.

## EXPERIENCE

### Codestam Technologies — Web Development Intern                 *April 2025 – July 2025*

*Remote — Ranchi, Jharkhand*                                                        **View Certificate**

- Developed 13+ full-stack web applications using React, Next.js, TypeScript, and Firebase for clients across eCommerce, education, and SaaS sectors
- Built scalable UI components and custom logic, integrating Firebase Authentication and Firestore for seamless data management
- Spearheaded admin dashboards for **Kidshope**, enhancing certificate generation workflows and role-based access for 30+ users
- Implemented comprehensive eCommerce features for **The Hidden Stuff** including product variations, dynamic banners, and admin panels
- Optimized SEO and performance with lazy loading and image optimization, reducing load times by 35%

## TECHNICAL COMPETENCIES

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|---|---|
| **Languages:** | TypeScript, JavaScript (ES6+), Python |
| **Frontend:** | React, Next.js, Redux, Tailwind CSS, shadcn, HTML, CSS |
| **Backend:** | Node.js, Express, Firebase (Auth/Firestore) |
| **Databases:** | MongoDB (Mongoose), PostgreSQL, Prisma |
| **Tools:** | Git, Postman, REST APIs, Chrome DevTools |

## KEY PROJECTS

### *E-Commerce Platform* — **React, Redux, Tailwind, FakeStoreAPI**                 *Live Demo*

- Designed a product search system with live filtering and debounced API calls, reducing redundant requests by over 50% during input
- Engineered a persistent shopping cart using Redux and local storage, managing state across 5+ components with centralized logic
- Built pagination with React Context to optimize rendering of 20+ items in the product grid without performance lags
- Created 8+ reusable UI components including product cards, modals, and loaders to standardize the design system

### *Payment Transfer System* — **React, Tailwind, Node.js, Express, MongoDB**                 *Live Demo*

- Implemented secure login with bcrypt password hashing and session handling, supporting up to 5 concurrent user sessions in testing
- Developed 5+ RESTful APIs to manage balance checks, fund transfers, and transaction history with robust route validation
- Applied Mongoose validation and schema constraints to eliminate 90% of invalid writes during test case execution
- Used MongoDB transactions to ensure atomicity of dual-account updates, maintaining accurate balance logs over 100+ test transfers

## EDUCATION

**Matrusri Engineering College**                                                        Hyderabad, TS
B.E. Electronics & Communication — CGPA: 7.5/10                                          2021 - 2025

**Srichaitanya Junior College**                                                         Hyderabad, TS
Intermediate (MPC) — 97.8%                                                               2019 - 2021

## CERTIFICATIONS

- Meta Front-End Development Professional Certificate — 2025                          **View Certificate**
- Introduction to DevOps — IBM via Coursera — 2025                                   **View Certificate**