Shivani Palya

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EDUCATION

Bachelor of Technology in Computer Science and Engineering **2021 – 2025**
Sagar Institute of Science and Technology, Bhopal *CGPA - 8.0/10.0*

EXPERIENCE

Duochat **August 2025 – October 2026**
Software Developer Engineer - I *Indore, India*

- **Built and shipped a mobile application** from scratch, extending an existing web product to mobile, now live on the Google Play Store with **40+ downloads**.
- Structured mobile application state and server-data management using **Redux Toolkit** and **RTK Query**, establishing a consistent approach to data fetching and cache management across app features.
- Integrated **WebSocket** events for **real-time chat and notification updates** in the mobile app, connecting incoming server events with the application's UI and state.
- Maintained a **shared monorepo**, reusing types, utilities, constants and schemas across mobile and web.

SZ Technologies **Jan 2025 – May 2025**
Software Engineer Intern *Remote*

- Developed reusable UI components, optimized rendering, integrated APIs, and building interactive data visualizations.
- Built interactive dashboards using Next.js, React and TailwindCSS, enabling data visualization and real-time insights.

PROJECTS

SocialNest | *NextJS, React, Express, TypeScript, Zustand, Prisma, Framer Motion* **GitHub**

- Developed a **social media management** app to **schedule** and **cross-post** content from one hub.
- Built using **Next.js, Zustand, and ShadCN UI and Framer Motion** ensuring clean UI and fast performance.
- Implemented **JWT authentication** and **AWS S3** integration for secure user sessions and scalable image storage.
- Designed and implemented **RESTful APIs** with Node.js/Express for **social media platform integrations**.

EventStream Analytics Pipeline | *Kafka, Express, Socket.IO, PostgresSQL, Prometheus, Plotly.js* **GitHub**

- Designed and implemented a real-time event stream analytics pipeline to capture and process event data.
- Built scalable Node.js services for stream ingestion, batch aggregation, and **WebSocket-based** real-time dashboard and integrated **Prometheus** monitoring and custom metrics for tracking pipeline health, performance, and event volumes.

VoltKV-Go | *Golang* **GitHub**

- Developed Redis-inspired **in-memory key-value store** in **Go**, with custom **RESP protocol parser**, **TCP server**, and key expiration and implemented **database serialization** and **concurrent client handling**.

BlogScape | *React, TypeScript, Tailwind CSS, NodeJS, Vite, Express, MongoDB* **GitHub**

- Developed a full-stack **blogging platform** with a markdown-based editor, user authentication, and responsive UI.
- Built a **RESTful API** using **ExpressJS**, integrating **MongoDB** for efficient blog storage and retrieval.

ChatZone | *React, TypeScript, NodeJS, WebSockets, Vite, Express, Render, Vercel* **GitHub**

- Built a **real-time** chat app with **WebSockets** for **instant messaging** with **dynamic room-based** functionality.
- Managed **WebSocket events** for user connection, disconnection, and error handling efficiently.

Digital Brain | *React, TypeScript, Tailwind CSS, NodeJS, Vite, Express, MongoDB* **GitHub**

- Built a **centralized** knowledge **management platform** to collect and organize content from **Twitter**, **YouTube**, **Links** and **Google Docs**.
- Implemented a **content ingestion** system with categorization and responsive **Tailwind CSS UI** for intuitive user experience and integrated **JWT authentication** for secure user access and session management.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Rust, Golang, C/C++, SQL

Tools/Platforms: Solana, Docker, Redis, Kafka, Prometheus, Grafana, WebSockets, Git, GitHub, Figma

Libraries/Frameworks: Anchor, NextJS, ReactJS, React Native, ExpressJS, NodeJS, Redux Toolkit/RTK Query, Tailwind CSS, ShadCN, Prisma

Database : PostgreSQL, MongoDB, MySQL, Firebase Firestore

Devops: AWS S3, AWS EC2, AWS EKS, Nginx