SHASHI RANJAN SINGH

Noida, Uttar Pradesh, India

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, C++, Dart, JavaScript, SQL, NoSQL, R, XML, Go
Developer Tools: VS Code, Postman, Docker, Cursor
Technologies/Frameworks: ReactJS, Zustand, Recoil, NextJS, NodeJS, ExpressJS, PostgreSQL, Mongo, Tailwind CSS, GSAP, Motion (Framer), Git, GitHub

EDUCATION

Ambalika Institute Of Management And Technology   **May 2022 – 2025**
*B.tech - **Computer Science Engineering***   *Lucknow, India*

Ambalika Institute Of Management And Technology   **May 2019 – 2022**
*Diploma - **Electronic And Communication***   *Lucknow, India*

PROJECTS

PAYTM — A Web based wallet ⧉ | Next.js, TypeScript, Express.js, Tailwind CSS   **Aug 2025**

- Developed a **full-stack TypeScript web wallet** using a **Turborepo monorepo,** improving modularity, code reusability, and multi-service scalability.
- Built **Next.js frontend and backend services** and an **Express.js webhook backend,** enabling secure transaction handling and reliable event processing.
- Integrated **PostgreSQL with Prisma ORM** to manage database schemas, migrations, relational models, and optimized query performance.
- Containerized all services with **Docker,** ensuring consistent local development, reproducible builds, and smoother CI/CD deployment.
- Implemented wallet dashboard,**peer-to-peer transaction flow,** balance tracking, and transaction history to simulate real-world digital wallet operations.
- GitHub Code here

WRITIUM — An Bloging Platform ⧉ | React, Tailwind CSS, Hono   **MM YYYY**

- Built a **full-stack blogging platform** with a custom **Rich Text Editor** using React and Tailwind CSS, enabling seamless content creation and publishing.
- Implemented **secure user authentication and authorization** using JWT, ensuring protected access to writing, editing, and management features.
- Designed **minimal, clean, and responsive UI components** to improve readability, writing workflow, and overall user experience.
- Developed backend APIs for **blog storage, image upload handling,** and real-time content updates to enhance platform functionality.
- Deployed the backend using **Hono on Cloudflare,** achieving fast performance, low latency, and edge-optimized request handling.
- GitHub Code here

UBUNTU OS PORTFOLIO ⧉ | React, Tailwind CSS, Email.js   **MM YYYY**

- Developed an interactive **operating system–style portfolio** website modeled after Ubuntu OS, enhancing user engagement through a desktop-like interface.
- Engineered functional OS components including **app launcher, terminal, music player, and project showcase windows,** replicating real system behavior.
- Implemented **window management features** such as maximize, minimize, drag, and close to improve usability and create a seamless user experience.
- Designed a **responsive, animation-rich UI** with smooth transitions and consistent component behavior to provide a polished and modern interface.
- Integrated all **professional work, projects, and resume** into a structured About section, improving content discoverability and navigation.