

Shiv Ji Tiwari

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PROFILE

Full-stack developer skilled in TypeScript, React, Next.js, Node.js, and PostgreSQL, with experience deploying on AWS and using Docker, Kubernetes, GitHub Actions. Seeking a role to apply technical and DevOps skills while contributing to impactful projects in fast-paced, growth-driven environments.

EDUCATION

Shri Ramswaroop Memorial University

Bachelor of Computer Applications

Lucknow, UP

Sep. 2022 – Sep. 2025

Red Rose Senior Secondary School

High School & Intermediate (PCM)

Lucknow, UP

April 2021

PROJECTS

Nhost AI Chat | *React.js, TypeScript, n8n, Nhost, Hasura Actions, GraphQL, Apollo Client, OpenRouter, Netlify*

([Live Link](#) | [GitHub](#))

(Aug 2025)

- A real-time chat application with AI-powered responses using Nhost for authentication and Hasura for **GraphQL**.
- Integrates **n8n workflows** to process messages and OpenRouter's **GPT-3.5 turbo** model for AI.
- Features real-time updates via WebSocket subscriptions (using Apollo) and deployment on Netlify.
- Implements secure user authentication (email verification link) and message storage in a PostgreSQL database.

Cipher Share | *Next.js, TypeScript, PostgreSQL, AWS EC2 & S3, NextAuth, TailwindCSS, Shadcn UI, Resend Email*

([Live Link](#) | [GitHub](#))

(May 2025)

- A secure file-sharing platform built with **end-to-end encryption** and **zero trust architecture**.
- Reduced file transfer risk by ensuring zero trust encryption.
- Uses **hybrid encryption**: RSA-OAEP along with AES-GCM
- Enforces automatic file expiry via a scheduled **cron job** after 24 hours.
- The private key is encrypted using a user-defined passphrase, which is never stored.
- Implements NextAuth for authentication, including **email-based OTP** verification.

VaultX | *TypeScript, React.js, TailwindCSS, PostgreSQL, Express.js, JWT, Resend Email, Material UI, RPCs*

([Live Link](#) | [GitHub](#))

(April 2025)

- A crypto payments platform that will support **Bitcoin, Ethereum** and **Solana** payments.
- Frontend is built using React.js and TailwindCSS.
- Google OAuth and **email-based OTP** authentication.
- Hosted on **AWS EC2**.
- Authentication is done through JWT and OAUTH, passwords are hashed before being stored in database.

TECHNICAL SKILLS

Languages: TypeScript, Java, Python, Bash, C

Frontend: Next.js, TailwindCSS, Framer Motion

Backend: Node.js, Express.js, GraphQL, Nhost

Databases: PostgreSQL, MongoDB

Automation & Workflow: n8n, Docker, Kubernetes, GitHub Actions, CI/CD

Cloud: Amazon Web Services

AI & Integrations: OpenRouter, OpenAI API