

# BIRAJ SHRESTHA

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## PROFESSIONAL SUMMARY

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I'm Biraj Shrestha, a passionate Frontend Developer based in Kathmandu, specializing in React.js, Next.js, and modern web technologies. Currently pursuing a Computer Science degree at Herald College Kathmandu, I have hands on experience at ShotCoder Tech, where I advanced from a ReactJS Intern to a Junior Frontend Developer. I contributed to the development of the Admin Panel for Shiksysa, a School Management System, using React.js, Redux, and React Query. In my free time, I enjoy playing musical instruments, designing creative projects, and going through the latest tech news. Always eager to learn and take on new challenges in web development.

## CORE COMPETENCIES

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- **Frontend Technologies:** React.js, Next.js, TypeScript, HTML5, CSS3
- **State Management:** Redux, React Context API, Tanstack Query
- **UI Frameworks:** Tailwind CSS, Shadcn UI
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Authentication:** JWT, Clerk, Better Auth
- **APIs:** REST, tRPC
- **Tools:** Git, GitHub, Figma

## PROFESSIONAL EXPERIENCE

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### Frontend Intern / Junior Frontend Developer

Shotcoder Tech | February 2024 – January 2025

- Developed a Metal Recycle App for streamlined operations with role-based management and integrations like Xero, WhatsApp, and Google Maps.
- Contributed to Shikshya App's admin panel a smart school management system.

## KEY PROJECTS

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### YatraSathi 📄

An AI powered trip planning and sharing app aimed to make your journey simplified and discover hidden places

- Designed and developed a user-friendly travel planning app with Next.js and TypeScript for robust and efficient development.
- Implemented Tailwind CSS and Shadcn UI for rapid, responsive styling, ensuring optimal user experience across devices.
- Integrated PostgreSQL using Drizzle ORM for scalable data management, providing smooth performance even with a large user base.
- Used Clerk for secure user authentication, enabling multiple login methods for ease of access.

- Utilized tRPC to create fully type-safe, end-to-end APIs without schema duplication, enabling seamless communication between client and server with automatic type inference and enhanced developer productivity.
- Integrated Polar for handling payments and financial operations, providing a secure and streamlined checkout experience.
- Implemented AI-powered itinerary generation using the Google Gemini Flash model via the Vercel AI SDK, delivering fast, context-aware travel plans tailored to user preferences.
- Tech Stack (Next.js, Tailwind CSS, TypeScript, tRPC, Drizzle ORM, PostgreSQL, Polar, Vercel AI SDK).

## Happy Paws [🔗](#)

A pet adoption platform aimed to ease pet adoption right from the comfort of your home

- Built with Vite and React for fast development and optimized frontend performance.
- Utilized TypeScript for static type checking and improved code reliability throughout the app.
- Styled the platform with Tailwind CSS, ensuring a clean, mobile-friendly user interface with rapid UI iteration.
- Integrated Appwrite for backend services including user authentication, real-time database, and secure cloud functions.
- Enabled image and document uploads for pet listings using UploadThing, streamlining media handling with direct-to-storage support.
- Tech Stack (Vite + React, TypeScript, Tailwind CSS, Redux, Appwrite, UploadThing)
- Collaborated with a team of peers using Jira for task tracking and sprint planning, following the Scrum methodology to ensure structured, iterative development and effective communication.

## EDUCATION

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### BSc (Hons) Computer Science

Herald College Kathmandu | 2025

### +2 Science

St. Lawrence College | 2022

### SEE (Secondary Entrance Examination)

Shree Gokarneshwor Mahadev Eng. Sec. School | 2020

## CERTIFICATIONS & ACHIVEMENTS

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### Web Application Development Certificate

Herald College Kathmandu | 2024

### Most Participation and Interaction Award

UI Visuals | 2023

### Responsive Web Design

freeCodeCamp | 2023

## LANGUAGES

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- **English:** Fluent
- **Nepali:** Native
- **Nepal Bhasa (Newari):** Native