







# Samyak Bajracharya

 Portfolio  linkedin  Github  samykbajr919@gmail.com  9808516437  Ason, Kathmandu

Software Engineer focused on building high-performance, interactive web applications using React.js and Next.js. Passionate about crafting seamless user interfaces, optimizing performance, and writing clean, maintainable frontend code. Committed to advancing as a specialist in modern frontend development.

## ✂ SKILLS

### Languages & Frameworks

JavaScript (ES6+), TypeScript, React.js, Next.js

### Styling & Animation

TailwindCSS, Material UI, GSAP, Flowbite-React, React Router

### State & API Management

Redux Toolkit, Context API, TanStack Query, REST APIs, Firebase

### Soft Skills

Agile Collaboration, Debugging, Responsive Design, UI/UX Awareness, Problem Solving

### Testing & Performance

Jest, Cypress, Lighthouse, Lazy Loading, Image Optimization, Code Splitting

### Tools & Platforms

GitHub, GitLab, Vite, Yarn, NPM, Postman, Figma, Vercel

## 📁 PROJECTS

### E-commerce Website

Tech Stack: React.js, Redux, Context Api, Firebase, Tailwind CSS, GitLab

- Collaborated in an Agile team using Jira for task tracking and GitLab for version control.
- Implemented global state management using Redux Toolkit and Context API to handle product data and cart states efficiently.
- Integrated Firebase for real-time database and used Node.js to simulate secure API calls during development.
- Boosted Lighthouse SEO and performance score from 75 to 95+ by optimizing image loading, lazy loading components, and eliminating render-blocking scripts.

### Travel Planner

Tech Stack: Next.js, RapidAPI, Tailwind CSS, flowbite-react, Github, GSAP, Vercel

- Built a travel planning platform with real-time weather, currency exchange, and integrated Leaflet.js for interactive map visualization
- Connected RapidAPI to fetch real-time data for weather conditions and currency conversions with custom UI cards for display.
- Ensured content was SEO-friendly using Next.js's SSR capabilities and Firebase's dynamic route indexing.

### AI Trash Detection Website

Tech Stack: React.js, Python, Tensorflow, coco-ssd

- Integrated the **pretrained COCO-SSD model** from TensorFlow.js into a **React** app to enable real-time object detection using the webcam.
- Focused on environmental impact by building a user-friendly interface to promote **sustainable waste sorting** through AI-assisted detection.

## 🎓 CERTIFICATIONS & BOOTCAMPS

11/2024 – 02/2025

### React.js

Broadway Infosys

Credential ID :

B21372

12/2024 – 01/2025

### Frontend Development Libraries

freeCodeCamp

11/2024 – 12/2024

### JavaScript Algorithms and Data Structures

freeCodeCamp

## 🎓 EDUCATION

Expected Graduation :  
2025

### Bachelor's in Computer Engineering

Nepal College of Information Technology

Lalitpur, Nepal

#### Relevant Courses:

- Mobile And Web Application Technology
- Object Oriented Software Engineering
- ICT Project Management
- Information Systems