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

Soft Skills
Agile Collaboration, Debugging, CI/CD Basics, UI/UX Awareness, Problem Solving

Styling & Animation
TailwindCSS, Material UI, GSAP, Flowbite-React, React Router,

Testing & Performance
Jest, Cypress, Lighthouse, Lazy Loading, Image Optimization, Code Splitting

State & API Management
Redux Toolkit, Context API, TanStack Query, REST APIs, Firebase

Tools & Platforms
GitHub, GitLab, Vite, Yarn, NPM, Postman, Figma, Vercel, MySQL

🗁 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, Pytorch, YOLOv5
- Developed a machine learning-based web application to detect and classify trash.
- Trained and fine-tuned YOLOv5 object detection model on a custom dataset, achieving high accuracy for real-world waste classification.
- Reduced model inference time by 20% by applying OpenCV preprocessing techniques.

⌖ CERTIFICATIONS & BOOTCAMPS

11/2024 – 02/2025	**React.js** 🔗 Broadway Infosys	Credential ID : B21372
11/2024 – 12/2024	**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 **Relevant Courses:** • Mobile And Web Application Technology • Object Oriented Software Enginnering • Data Structure And Algorithms • Artificial Intelligence	Lalitpur, Nepal