Samyak Bajracharya

Samyak Bajracharya | Samyk-s | samykbajr919@gmail.com | 9808516437 | Ason, Kathmandu

Frontend Developer focused on crafting interactive, high-performance web applications using React.js and Next.js. Passionate about building seamless user experiences, writing clean component-based code, and continuously optimizing performance.

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, CI/CD Basics, 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, 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 — Lalitpur, Nepal
Nepal College of Information Technology
Relevant Courses:
- Mobile And Web Application Technology
- Object Oriented Software Enginnering
- Data Structure And Algorithms
- Artificial Intelligence