

Chintan Karki

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PROFESSIONAL EXPERIENCE

Final Year Project Supervisor, Itahari International College

October 2024 - Present

- **Mentored 17+ Final Year Projects Across Diverse Domains:** Supervised and guided students in completing projects in web development, blockchain, artificial intelligence, and IoT, ensuring industry-standard quality and innovative problem-solving.
- **Promoted Excellence in Technical and Soft Skills:** Provided tailored mentorship to enhance students' technical expertise, code quality, and presentation skills, resulting in several projects being recognized for innovation at academic showcases.

Software Engineer, Anydone LLC

June 2022 - October 2024

- **Enhanced 'Anydone' realtime-communication performance** by integrating Janus WebRTC SFU.
- **Optimized CI/CD workflows** using micro-frontend architecture aligning with the fast-paced development environment.
- Integrated MQTT with protocol buffers and flatbuffers, **reducing data transmission latency** by nearly 40% and ensuring seamless cross-platform compatibility.
- **Increased user engagement** through intuitive design systems using Ant Design, Material UI, and styled components.

Frontend Intern, Trainee, CODAVATAR TECH PVT. LTD

July 2021 - December 2021

- Collaborated on various projects, implementing ReactJS, ReduxJS, Web Workers, Ant Design, and TailwindCSS, showcasing adaptability to diverse tech stacks.
- Utilized 'formik' for optimized and user-friendly forms, ensuring seamless integration with backend services and adherence to industry best practices.

PROJECTS

[Clearu](#) - Image Background Remover

- Developed a React-based image background remover with local ML processing via Transformers.js, ensuring privacy and cross-browser compatibility with features like customizable backgrounds and export options.
- Implemented optional WebGPU acceleration for enhanced performance, leveraging models like RMBG-1.4 and MODNet, and utilized IndexedDB for local file management.

[KhojBin](#) -Multi-platform Search Portal for Nepalese E-commerce websites.

- Engineered a robust ReactJS application with Zustand, Tailwind, Django REST, MySQL, drf-social-oauth2, and aiohttp, showcasing expertise in frontend-backend integration. Built a NodeJS backend service for enhanced performance.
- Implemented Collaborative Filtering algorithm for efficient product recommendation, demonstrating expertise in data-driven decision-making.

[anydone](#) - AI-integrated Workflow Automation Platform

- Developed scalable automation software using ReactJS, Redux, Saga middleware, MQTT, protocol buffers, and Janus SFU for WebRTC aligning with the job's requirement for SaaS product development.
- Implemented CI/CD workflows for efficient software development, ensuring code quality, stability, and agility.

[timeTracko](#) - Workforce Analytics and Productivity Software

- Built seamless frontend components using Ant Design and Tailwind, leveraging ReactJS and Redux for superior user experience, reflecting an understanding of user-centric design and usability.

SKILLS

Technical:

[JavaScript](#), [TypeScript](#), [ReactJS](#), [NextJS](#), [ReduxJS](#), [ExpressJS](#), NodeJS, MongoDB, MySQL, Webpack, Rollup, [Python](#), [Selenium](#), [Beautiful Soup](#), aiohttp, [Java](#), [Jotai](#), Zustand, React Query, [Saga](#), [Thunks](#), SASS, SCSS, [Tailwind](#), Web-workers, [Websockets](#), [Worklets](#), [WebRTC](#), [FabricJS](#), [Django](#), [Django REST](#), [MQTT](#), [Protobuffs](#), [Flatbuffers](#), [IndexDB](#), Docker, AWS, Figma, Bash, Git, etc.

Languages:

English, Nepali, Hindi

EDUCATION

B.Sc(Hons) Computing, First Class Honors (80.39%), London Metropolitan University

2019-2022

Relevant Coursework: Application Development, Software Engineering, DSA, Advanced Database, AI, Operating Systems, Networking, etc.

Final Year Project: "[Web-based multiplatform search engine specialized for Nepali E-Commerce Platforms](#)". ([Documentation](#))