

SAMBID RATNA SHAKYA

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Portfolio: finalport-iota.vercel.app | GitHub: github.com/Sambid10

EDUCATION

Bachelor of Science in Computer Science and Information Technology April 2021 – February 2025
Himalaya College of Engineering, Tribhuvan University Lalitpur, Nepal

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML5, CSS3, SQL, Ruby
- **Frontend:** React.js, Next.js, React Native, Tailwind CSS, Shadcn/UI, Framer Motion, Vite
- **Backend:** Node.js, Express.js, tRPC, Ruby on Rails, RESTful APIs
- **Database & ORM:** PostgreSQL, Prisma, Drizzle ORM, NeonDB
- **State Management:** Zustand, React Query, Context API
- **Tools & Services:** Git, GitHub, Clerk, Next-Auth, Postman, Jira, Uploadthing, Mux, Vercel

WORK EXPERIENCE

On-the-Job Trainee July 2025 – October 2025
Chulo Solutions Lalitpur, Nepal

- Led migration of React Native codebase to latest version with enabling new architecture, converting entire JavaScript codebase to TypeScript for improved type safety and maintainability
- Resolved critical compatibility issues during migration by replacing deprecated packages with modern alternatives, ensuring seamless feature integration across Android platforms
- Migrated legacy EJS-based UI to modern Next.js framework, implementing pixel-perfect designs from Figma specifications
- Refined user interfaces based on user feedback, significantly improving overall user experience and application usability
- Collaborated in Agile sprints using Jira, participating in daily stand-ups, sprint planning, and QA processes to deliver high-quality features on schedule

Full Stack Development Intern May 2025 – July 2025
Chulo Solutions Lalitpur, Nepal

- Observed full-stack development workflows and gained exposure to Agile software development practices.
- Developed full-stack features using Ruby on Rails backend and React (Vite) frontend and React Native for mobile applications, ensuring seamless integration
- Tested and debugged Rails APIs using Postman, optimizing data flow and ensuring smooth integration with React applications
- Identified and resolved critical software bugs, improving application stability and reliability

PROJECTS

KathmaTube (YouTube Clone) | React, Next.js, tRPC, Drizzle, Clerk, Mux, Tailwind CSS, NeonDB

- Built full-featured video platform with upload, processing, playback, authentication, comments, likes/dislikes, threaded replies, subscriptions, and playlists with real-time optimistic UI updates
- Architected type-safe APIs using tRPC for comments, likes, subscriptions, and user interactions, eliminating runtime API errors
- Integrated Mux for complete video handling including uploads, processing, and thumbnail generation, and UploadThing for user banners
- Implemented secure authentication with Clerk for session management and protected routes
- Designed scalable database layer with Drizzle ORM and PostgreSQL for efficient data management

Resume Builder Web App | React, Next.js, Prisma, Clerk, Zustand, Framer Motion, Tailwind CSS

- Developed full-stack resume builder enabling users to create professional resumes with multi-step form validation and auto-save
- Implemented Clerk authentication with secure PostgreSQL storage using Prisma ORM for data persistence
- Built intuitive UI with responsive design, drag-and-drop section reordering, and PDF generation/print functionality
- Utilized Zustand for efficient global state management across complex form interactions

X (Twitter Clone) | React, Next.js, Next-Auth, React Query, Prisma, Tailwind CSS, Shadcn/UI

- Recreated core Twitter functionality including posting, liking, replying, following, and real-time direct messaging
- Implemented Next-Auth for secure authentication with session management and protected routes
- Optimized data fetching and caching using React Query with infinite scroll for enhanced performance
- Designed responsive UI/UX with Tailwind CSS, Shadcn/UI components, and Framer Motion animations

REFERENCES

Chulo Solutions – Contact: +977 9801858137