Rohan Dhakal

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EXPERIENCE

CBDC Developer   Jul 2024 - Present
Software Engineer, Nepal Rastra Bank

- Improvised the existing system performance by 10%
- Conducted security assessments and implemented robust cryptographic solutions to safeguard the digital currency.
- Monitored and analyzed the performance of the CBDC system, making necessary improvements to enhance efficiency.
- Presented project demo of the prototype to a division head and executive director of our concerned department.

CBDC Research & Development   Apr 2024 - Jul 2024
Internship, Nepal Rastra Bank

- Collaborated with a five-person team to develop a CBDC model for our country Nepal.
- Grasped a solid understanding of Fintech, and Blockchain Technology (both permissioned and permissionless).
- Contributed to developing the CBDC for Nepal Rastra Bank and developed documentation skills for the system designed.
- Developed Presentation skills with various meetings with high-class officials.

EDUCATION

B.E. Computer Engineering   Aug 2019 - Aug 2024
Kathmandu Univesity

National Education Board (+2 Science)   June 2017 - June 2019
Kanchanjunga English Secondary School

Secondary Education Examination (SEE)   April 2017
Shree Harikul Model Secondary School

PROJECTS

CBDC Project

- Contributed to CBDC project of Nepal and developed the prototype.
- Designed the interfaces for the CBDC software to be developed.
- Improvised the performance of existing software by 10%.
- Major fixes to the critical bugs in the software.

Image Sharing App

- A photo-sharing app made with Node.js and react.js.
- Developed API documentation using Swagger UI and SwaggerJsDocs.

Personal Portfolio Website

- Designed and developed a personalized portfolio website showcasing academic achievements, projects, skills, and professional experience.
- Implemented the knowledge of React.js and TailwindCSS to build this website and deployed it on Netlify.

Home Utility Application

- An android application to bridge the gap between normal people and daily life technicians. E.g. Plumber, Mechanic, etc.

Medizine
- A doctor appointment Android application made using Figma, Flutter, and Node.js with HL7 FHIR standards.

SKILLS

Technical Skills	React.js, Next.js, Node.js, MongoDB, SQL, Tailwind CSS, Flutter, Ether.js, Solidity, UI Design, Hyperledger Fabric, Git, Docker Basics
Soft Skills	Team Work, Communication Skills, Problem Solving, Analytical Skills, Interpersonal Skills, Management Skills
Additional Skills	Requirement Gathering, Research, Documentation, Presentation Skills