

Rashik Neupane

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Summary Statement

Graduate student in Computing & Information Systems with strong interest and hands-on experience in blockchain, smart contracts, and decentralized systems. Passionate about research and innovation in secure and scalable blockchain applications.

Education

Master's Degree (MCIS)

Youngstown State University, Ohio, USA

Youngstown, Ohio, US

Aug, 2025 – May, 2027

Bachelor's Degree (B.Sc. CSIT)

Tribhuvan University, IOST, Prithvi Narayan Campus

Pokhara, Nepal

2018 – 2022

Experience

Graduate Assistant

Youngstown State University, Ohio, United States

August, 2025 – May, 2026

- **Earned a competitive Graduate Assistantship** with full teaching responsibilities, leading undergraduate courses.
- Successfully managed all aspects of instruction including **content creation, grading, and student mentorship**, demonstrating strong ownership and communication skills.
- Integrated **technology-driven teaching tools** to enhance learning outcomes and **streamline assessment processes**.

Full-Stack Developer

Aankhijhyal Technologies, Pokhara, Nepal

July, 2023 – July 2025

- Built and maintained **responsive web apps** using React.js, Node.js, and Express.js, with seamless integration to MongoDB/MySQL databases.
- Designed and deployed **smart contracts using Solidity** for **EVM-compatible blockchains (Ethereum, Polygon, Abstract)** and **Solana**, ensuring security and scalability.
- Developed **blockchain-based games and dApps** on Solana and Ethereum blockchain, handling transactions, probabilities, and **real-time WebSocket interactions**.
- Integrated **third-party APIs** (Twitter, Discord, and Web3 providers) to enhance dApp functionality and analytics capabilities.
- Engineered **automated bots** for Discord and Telegram for tasks like captcha verification, reaction roles, and chat-to-earn features.
- Collaborated with cross-functional teams using **Git, Jira, and ClickUp**, ensuring agile delivery of sprints and on-time releases.
- Deployed and maintained scalable applications using **Docker, Nginx, and PM2** on **Ubuntu VPS**, reducing server downtime to near zero through CI/CD pipelines.
- Coordinated project deliverables between frontend, backend, and blockchain teams; provided mentorship on Git workflows, CI/CD, and web3 development best practices.

Junior Web Developer

April, 2023 – June 2023

Oasys IT Solutions, Pokhara, Nepal

- Contributed to the development of a **freelance marketplace platform** with **Solana blockchain** integration for secure, transparent payment verification.
- Designed and built **employee management and attendance tracking systems**, improving internal administrative efficiency by automating reporting tasks.
- Developed and deployed **responsive static websites** using **React, Bootstrap**, and **Tailwind CSS**, ensuring mobile-first compatibility and SEO optimization.
- Configured hosting and deployment pipelines via **Vercel** and **Netlify**, enabling rapid delivery and versioned updates.

Projects

Solana Blockchain Tools

- Token creation, create/update token metadata, nft transfers, token transfers, mass airdrop.
- Wallet integration, on-chain transactions.
- React, Node, Express, @solana/web3.js.

Multiplayer Game Smart Contract

- On-chain game rooms, socket-based-real-time interactions.
- Construct3, Abstract Testnet (EVM-compatible chain).

Multivendor Online Food Ordering System:

- Multiple Restaurant Vendors, Payments, Order tracking, Payment Settlements.
- React, Node, Tailwind CSS, Express, MySQL.

Technical Skills

Languages: JavaScript, C/C++, SQL, CSS, Solidity, Rust, Python

Frameworks: React, Node.js, Express, Next.js, Bootstrap5, Material UI, Tailwind CSS, Socket.IO, Redux

Cloud/Tools: CI/CD Pipelines, Kubernetes, VPS, cPanel, Docker, Github Actions, Cloudflare, Vercel, Netlify

Databases: MySQL, PostgreSQL, MongoDB, Redis, Valkey, Firebase Realtime Database

Version Control & Collaboration: Git (GitHub, GitLab, Bitbucket), Jira, Trello, ClickUp

Blockchain & Web3: Solana, Ethereum, dApps, Smart Contracts, Wallet Integration

Others: RESTful APIs, WebSockets, Test (Jest, Mocha, Cypress), Agile Methodologies