# Rupak Acharya

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## INTRODUCTION

I am a versatile Full Stack Web Developer with 4+ years of experience, specializing in React, Next.js, and Node.js for frontend and backend development. Proficient in JavaScript, Python, and Golang, I have a proven track record of enhancing application performance and user engagement. My experience in Web3 and smart contract development, coupled with expertise in machine learning, demonstrates a broad technical skill set. As a passionate problem-solver and flexible nomad, I am committed to leveraging my diverse skills to create innovative, scalable web solutions while fostering cross-functional collaboration and contributing to team-building initiatives.

## WORK HISTORY

**Neptune Mutual**                                                                                    **Jan 2022 – Jun 2024**
*Frontend & Blockchain Developer*                                                                      *Remote*
- Developed and maintained the frontend of a web3-based cryptocurrency insurance platform using Next.js, React, and Astro.js, resulting in a highly responsive and user-friendly UI that improved user engagement by 30% and reduced bounce rates by 25%, while implementing best practices in code organization and documentation.
- Collaborated with designers to translate Figma designs into functional applications, ensuring a seamless user experience and consistent, intuitive interface through effective communication and iterative feedback, leading to a 40% increase in positive user feedback.
- Contributed to backend development using Node.js and integrated the application with a Postgres database, demonstrating flexibility in working across the full stack and enhancing data handling efficiency, which reduced API response times by 35%.
- Implemented smart contracts and integrated them with the frontend using various web3 libraries, resulting in a secure and decentralized application that improved transaction reliability by 50% and increased daily active users by 20%, showcasing adaptability to emerging technologies.

**Infinity Digital Agency (IDA)**                                                                     **Jul 2021 – Dec 2021**
*Full-stack Developer*                                                                                 *Ratopul, Kathmandu*
- Developed and maintained dynamic React applications with server-side rendering (SSR) using Next.js, resulting in a 20% improvement in page load times and enhanced overall user experience and performance.
- Collaborated with the backend team to build robust APIs using Node.js, facilitating seamless integration between frontend and backend systems, reducing data fetching times, and improving application efficiency.
- Implemented state management solutions using Redux and Context API, optimizing data flow and reducing component re-renders by 30%, leading to smoother user interactions and improved application responsiveness.

**Berrybytes**                                                                                        **Apr 2020 - Jul 2021**
*Frontend Developer*                                                                                   *Pulchowk, Lalitpur*
- Developed frontend apps using React and React-Router, integrating APIs built with Golang, which resulted in a 30% increase in application responsiveness and a smoother user navigation experience, while maintaining high-quality code standards.
- Utilized Swagger docs and Postman to test APIs, reducing debugging time and ensuring accurate and efficient API functionality through systematic problem-solving approaches.
- Conducted research on JAMStack and implemented findings, resulting in more efficient and scalable web architectures, improving site performance and security while demonstrating a passion for staying current with industry trends.

## SKILLS

**Frontend**: HTML5, CSS3, JavaScript(ES6+), ReactJS, NextJS, Gatsby, Astro.build, TypeScript, Jest, SCSS, Styled Components, Tailwind CSS, Figma
**Backend, API & Hosting**: Node.js, Express.js, Python, Flask, Golang, Gin, Swagger, Postman, MongoDB, PostgreSQL, AWS, Azure, Cloudflare, SQL, NoSQL, GraphQL, REST
**Web3 & Blockchain**: Solidity, Hardhat, Mocha, Chai, IPFS, Kubo, Ethers.js, Web3.js
**Machine Learning & AI**: Scikit-learn, Keras, TensorFlow, Pandas, Matplotlib, Regression, KNN, Support Vector Machines, CNN
**Linux and other essential skills**: Linux, MacOS, Windows, Docker, Shell Scripting, Git, GitHub, GitLab, Bitbucket, Remote Work, Teamwork, Quick Learning

## OPEN SOURCE CONTRIBUTIONS

- Contributed to Neptune Mutual, enhancing the organization's open-source projects related to decentralized insurance solutions. https://github.com/neptune-mutual-blue
- Actively participated in the development of Station DEX, contributing to decentralized exchange infrastructure and improving user experiences. https://github.com/station-dex
- Made contributions to github-file-icons, chrome extension to give icons to files in Github UI. https://github.com/homerchen19/github-file-icons

## EDUCATION

**Malla Reddy College of Engineering & Technology (Affiliated with JNTUH)**        **Jan 2020**
*B.Tech in Computer Science & Engineering*        *Hyderabad, India*
- B.Tech in Computer Science & Engineering Hyderabad, India

**Kalika H.S.S**        **Mar 2016**
*Intermediate Degree, Science*        *Butwal, Nepal*
- Obtained the Intermediate Degree in the Science stream

**Axis International School**        **Aug 2014**
*SLC*        *Butwal, Nepal*
- Acquired the School Leaving Certificate(SLC)

## CERTIFICATIONS

**Full-Stack JavaScript Developer**, *IBM*        **Aug 2021**
- Mastered full-stack web development using JavaScript, Node.js, Express, and React

**Introduction To Tensorflow In Python,** *Datacamp*        **May 2020**
- Gained proficiency in TensorFlow for building perceptron layers and CNNs

**Machine Learning With Python**, *Microsoft*        **Jun 2019**
- Mastered regression, KNN, and support vector machines