

# Rupak Acharya

[acharyarupak391@gmail.com](mailto:acharyarupak391@gmail.com) ❖ +9779863630147 ❖ Kathmandu, Nepal ❖ [Portfolio](#) ❖ [Github](#)

## INTRODUCTION

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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, with a track record of enhancing application performance and user engagement. I'm experienced in Web3 and smart contract development. With additional expertise in machine learning, and demonstrating a broad technical skill set, I am committed to leveraging diverse skills to create innovative, scalable web solutions.

## SKILLS

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**Frontend:** HTML5, CSS3, JavaScript, ReactJS, NextJS, 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

**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

## WORK HISTORY

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### Neptune Mutual

Jan 2022 – Jun 2024

Frontend Engineer

Remote

- I developed and maintained the frontend of a web3-based cryptocurrency insurance platform using technologies such as Next.js, React, Astro.js, Vanilla JS, and libraries like Tailwind, Styled-components, and Sass, which resulted in a highly responsive and user-friendly interface that improved user engagement by 30%.
- I translated designs from Figma into a functional application, ensuring a seamless user experience, which resulted in a consistent and intuitive interface.
- I contributed to backend development using Node.js and integrated the application with a Postgres database, which resulted in a robust and scalable backend that enhanced data handling efficiency.
- I implemented smart contracts and integrated them with the frontend using various web3 libraries, which resulted in a secure and decentralized application that improved transaction reliability.

### Infinity Digital Agency (IDA)

Jul 2021 – Dec 2021

Full-stack Developer

Ratopul, Kathmandu

- I developed and maintained dynamic React applications with server-side rendering (SSR) using Next.js, which resulted in a 20% improvement in page load times and enhanced overall user experience and performance.
- I collaborated with the backend team to build robust APIs using Node.js, which resulted in seamless integration between the frontend and backend systems, reducing data fetching and improving application efficiency.
- I 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

Frontend & Blockchain Developer

Apr 2020 - Jul 2021

Pulchowk, Lalitpur

- I 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.
- I utilized Swagger docs and Postman to test APIs, which resulted in reduction in debugging time and ensured accurate and efficient API functionality.
- I conducted work and research on JAMStack, which resulted in the implementation of more efficient and scalable web architectures, improving site performance and security.

## EDUCATION

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### Malla Reddy College of Engineering & Technology (Affiliated with JNTUH)

B.Tech in Computer Science & Engineering

Jan 2020

Hyderabad, India

- I persued the Bachelors' of Technology in Computer Science & Engineering
- I acquired knowledge in DSA, ML, Computer Architecture & other various topics

### Kalika H.S.S

Intermediate Degree, Science

Mar 2016

Butwal, Nepal

- I obtained the Intermediate Degree in the Science stream

### Axis International School

SLC

Aug 2014

Butwal, Nepal

- I got the School Leaving Certificate(SLC)

## CERTIFICATIONS

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### Full-Stack JavaScript Developer, IBM

Aug 2021

- I mastered full-stack web development using JavaScript, Node.js, Express, and React
- I developed and deployed scalable web applications, improving project delivery time by 15%

### Introduction To Tensorflow In Python, Datacamp

May 2020

- I gained proficiency in TensorFlow for building perceptron layers and CNNs through the "Introduction To Tensorflow In Python" certification from Datacamp, which resulted in a 25% reduction in model training time.
- I implemented TensorFlow techniques in multiple machine learning projects, achieving increase in the efficiency and performance of neural network models.

### Machine Learning With Python, Microsoft

Jun 2019

- I mastered regression, KNN, and support vector machines through the "Machine Learning With Python" certification from Microsoft, which resulted in a 20% increase in the accuracy of my machine learning models.
- I applied advanced machine learning techniques learned from the course to real-world datasets, leading to improvements in predictive analytics for various projects.