Rupak Acharya

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WORK EXPERIENCE

NeptuneMutual   **Jan 2022 – Working**
Frontend Engineer   *Remote*

- Worked in the development and maintenance of the frontend of a web3-based cryptocurrency insurance platform using technologies such as Next.js, React, Astro.js, Vanilla JS, and libraries such as tailwind, styled-components, sass and more

- Implemented designs from Figma into the application, ensuring a seamless user experience

- Contributed to the backend development using Node.js and integrated the application with a Postgres database

- Actively worked on blockchain technology, implementing smart contracts and integrating them with the frontend using various web3 libraries

Infinity Digital Agency (IDA)   **Jul 2021 – Dec 2021**
Fullstack Developer   *Ratopul, Kathmandu*

- Developed and maintained dynamic React applications with server-side rendering (SSR) using Next.js, enhancing user experience and performance.

- Collaborated with the backend team to build robust APIs using Node.js, ensuring seamless integration between the frontend and backend systems.

Berrybytes   **Nov 2020 - Jul 2021**
Frontend Developer   *Pulchowk, Lalitpur*

- Worked on frontend apps built with React, React-Router, API integration with golang
- Use of Swagger docs, Postman to test the APIs
- Work and research on JAMStack

EDUCATION

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

- Persued the Bachelors' of Technology in Computer Science & Engineering
- Acquired knowledge in DSA, ML, Computer Architecture & other various topics

Kalika H.S.S   **Mar, 2016**
Intermediate Degree, Science   *Butwal, Nepal*

- Got the Intermediate Degree in the Science stream

Axis International School   **Aug, 2014**
SLC   *Butwal, Nepal*

- Got the School Leaving Certificate(SLC)

CERTIFICATIONS

- **Machine Learning With Python**, *Microsoft*   **Jun, 2019**
- **Introduction To Tensorflow In Python,** *Datacamp*   **May, 2020**

SKILLS

Frontend

- Working with the bare basic **HTML**, **CSS**, **Javascript**
- Good experience with various modern web frameworks such as **ReactJS**, **NextJS**, **Astro.build** and working with typesafe code using **Typescript**
- Testing apps with **jest**
- Styling with vanilla **css**, **scss**, **styled-components**, **tailwind**
- Integrating designs with **Figma** to the app

Backend, API & Hosting

- Backend with **NodeJS** using **ExpressJS**, with **Python** using **Flask**, **gin** using **Golang**
- API documentation with **Swagger** & testing with **Postman**
- Database with **MongoDB** and **PostgreSQL**
- Experience with **AWS** & **Azure** for hosting and **Cloudflare** for domain management

Web3 & Blockchain

- Creating and deploying **smart contracts** on various blockchain networks using **hardhat**
- Testing the smart contracts using **mocha** and **chai**
- Working with **ipfs** using **kubo cli** to send/get data to/from the ipfs
- Integrating with the deployed smart contracts in frontend using **ethers.js** and **web3.js**

Machine Learning & AI

- Using **sklearn** & **keras** for regression, KNN, Support Vector Machines
- Using **Tensorflow** for perceptron layer and CNN
- Use of **pandas** & **matplotlib** for data visualization

Linux and other essential skills

- Good experience working on **Linux**, **Mac** and **Windows**, and hands-on with **docker**
- Comfortable with **shell** scripting and terminal workflow
- Comfortable with **git** and git hosting sites such as **Github**, **Gitlab** & **Bitbucket**