

Rohit Kumar Sah

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PROJECTS

HEX 2023 Website (Event, Hackathon & CTF)

Jul. 2023

HEX Website, HEX Genius & HEX CTF | 1 months

- Volunteered in **designing** and **developing** websites for HEX Himalaya, including hackathon, events list, and CTF sites (also member of the CTF organization team) organized by Himalaya College of Engineering.
- Optimized website to score **100% in Lighthouse in all factors** and implemented strategic keywords for top-notch search engine rankings.
- Deployed and load balanced CTF website using Azure and AWS, handling over **7000 requests in 36hrs** timespan.

Ecommerce Platform

Jan. 2023 - Jun. 2023

Hamro pasal | 6 months

- Developed a storefront using Nextjs and ChakraUI to build user-friendly design focusing on human centric design.
- Highly scalable **secured** GraphQL API backend with **fault tolerance** and **load balancing**.
- Used **TypeORM with Postgres and Redis** to manage user sessions, caching, rate limiting and safe queries to the database.

Chatbot made with PyTorch

Oct. 2021 - Dec. 2022

Machine Learning Chatbot | 3 months

- Analyzed and processed over 30,000 *conversational data points* to train a neural network model to answer questions.
- Leveraged **Flask** to build a **REST API** on top of the neural network to make the chatbot accessible on the web.

SKILLS

Technical Skills

Database & Streams: Postgres, Firebase, Redis, TypeORM, Datagrip

Data Science: Sci-kit Learn, Weka, PyTorch, Tableau

Web Development: React.js, TypeScript, GraphQL, Node.js, Express.js, Next.js, Redux, Tailwind CSS, React Native

Productivity Boost: Git, VS Code, Vim (Basics), Bash

Communication

Able to **communicate effectively** with a range of people by showing interest and carefully listening to their needs.

Strong presentation and demonstration skills; Confident and professional **speaking abilities**.

EDUCATION

Student Exchange Program (University of Milan)

2023 Feb – 2023 July

Università degli Studi di Milano Statale, Italy

Marks : 27/30

Computer Science and Engineering

2019 – 2023

Amrita School of Engineering, Chennai

CGPA: 8.66/10

Higher Secondary Education

2017 – 2019

Kathmandu Model Higher Secondary School, Kathmandu

CGPA: 3.34/4

OTHER DETAILS

Additional Activity: Mentor for Cognizance (College Club) for 2 years | Live-in-Labs (Research for development & sustainable solutions) | Mentor and Core Member of Organization Team for Hex Himalaya Website, Hex Himalaya Hackathon & Hex Himalaya CTF etc.

Scholarships: Complex Scholarship Program (Indian Embassy, Nepal) | Mahatma Gandhi Scholarship.

Relevant Courses: Linear Algebra, Probability & Stats, Big Data Analytics, Machine Learning etc.

Languages: English (fluent) | Nepali (fluent) | Hindi (conversational) | Japanese (beginner).