

Avisheak Shrestha Hemba

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EDUCATION

Bsc. CSIT

Bhaktapur Multiple Campus, Bhaktapur, Nepal

2022 - Present

+2 Computer Science

Bagiswori Secondary School, Bkhtapur 2.79

2077 - 2079

SKILLS

Reactjs	Specialized in building dynamic and interactive user interfaces using component-based architecture, hooks, and state management.
Nodejs	Experienced in developing scalable server-side applications with an event-driven, non-blocking architecture.
FastAPI	Proficient in creating high-performance APIs with Python, leveraging asynchronous programming and automatic validation.
MongoDB	Skilled in designing NoSQL databases with flexible schemas.
SQL	Adept at writing optimized queries, managing relational databases, and ensuring data integrity.

PROJECTS

Tragick Hedera, React, Express, Django

<https://github.com/trilochanb/tragick>

Tragick is a trust based decentralized supply chain protocol built on top of Hedera. A JS SDK operates with the local node which is abstracted via an express.js API. This express.js is queried by a RESTful API app built in django restframework which further interacts with the frontend interface built in React.

Chatroom Socket.io, React, Express, MongoDB

<https://github.com/AvesekShrestha/chatroom>

Chatroom is a user-friendly platform offering features like video and audio calling, alongside real-time chats and group discussions. It provides a dynamic space for users to connect, fostering meaningful relationships and social bonds in an engaging online community.

Digital Devalaya NodeODM, React, Express, MongoDB

<https://github.com/dinabandhuk/samrakshak>

Digital Devalaya is a project that creates digital 3D models of heritage sites using images and NodeODM for photogrammetry. The outputs include textured GLB models and OBJ files for 3D printing, and the models can be visualized in Augmented Reality (AR), promoting cultural preservation and the digital economy.

Jaibik React, Express, MongoDB

<https://github.com/AvesekShrestha/jaibik>

Jaibik is a user-friendly web application dedicated to financial tracking and management for account holders. Users can securely login, create accounts with varying interest rates, and seamlessly manage transactions and loans. With features like budget tracking, real-time notifications, Jaibik simplifies financial management, empowering users to achieve their financial goals with confidence.

ACHIEVEMENT

Futuristic ideas Sep 2024

Asian Collage

Awarded Futuristic Ideas at the AsianHackathon for the Digital Devalaya project, which leverages 3D modeling and AR to digitally preserve heritage sites and contribute to the digital economy.

Open Innovation Nov 2023

Kathmandu University

"Tragick," our winning project at the Kathmandu University hackathon with MLH, improves supply chain management using Hedera blockchain. By tracking goods in real time and ensuring transparency. This innovative solution not only secured the "Open Innovation" title but also promises to revolutionize supply chain operations, fostering trust and sustainability.