

MANISH CHHETRI

WEB DEVELOPER · FULL STACK

Pokhara -1, Bagar, Gandaki

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“Be the change that you want to see in the world.”



Profile

Hello, I am Manish Chhetri, an Electronic and Technology Engineer specialized in web development and Python data.

Over past 3 years, I have cultivated a deep expertise in JavaScript, and in the last year, I ventured into the world of Machine Learning. During this time, I have successfully completed various web projects and ML projects, including a Real-Time Vote Ranking App, Chat API, YouTube Search Clone, Tour Guide Website, and E-commerce Site. I take pride in developing seamless solutions, evident in projects like Tour Guide Websites and E-commerce Sites.

As I embark on the next chapter of my career, I am excited about the prospect of leveraging my skills and expertise to drive innovation, solve complex challenges, and make a meaningful impact in the world of technology

Technical Skill

Back-end :- Node, Express, NestJS, MongoDB, Postgres, Docker, Redis, AWS

Front-End :- HTML, CSS, ReactJS, NextJS

Machine Learning :- Traditional ML algorithms (e.g., Regression, Decision Trees, SVM), Artificial Neural Network, Transformer

Education

Paschimanchal Campus

B.E. IN ELECTRONICS, COMMUNICATION AND INFORMATION

Pokhara -10, Lamachaur

2019 - 2024

Projects

Real Time Vote Ranking

CODE

- Implemented a Real-Time Vote Ranking system using Nest.js Web Socket Gateway for secure communication and JWT tokens for user authentication
- Utilized Redis micro-services for efficient data handling, and Docker for containerization. The front-end was built with React and integrated with Socket.io for real-time updates.

Ecommerce Website

CODE

- Developed an Ecommerce Website with a Node.js as backend, featuring JWT authentication for secure user access and MongoDB for efficient data storage and retrieval.

Chat Application

CODE & DEMO

- Created a Chat App with HTML, CSS, and JavaScript, leveraging Socket.io for real-time communication.
- Users can create and join chat rooms, share join codes, and transmit real-time location data within the chat interface, all with a user-friendly UI

Best Tour Destination Search

CODE

- Developed a Tour Search App with Node.js and MongoDB, featuring user authentication with JWT for login, signup, and password reset functionalities.
- The front-end is powered by Pug templates and CSS, while Mapbox is integrated for interactive map services.
- The app provides access to a range of tour-related endpoints, allowing users to discover nearby attractions, access tour listings, create new tours, and manage existing tours effortlessly

Youtube Clone

CODE & DEMO

- Crafted a YouTube Clone using React and CSS, featuring a robust search functionality to discover and view videos seamlessly.
- The application also includes a trending as Front Page to keep users updated with popular content

Image Caption Generation in Nepali Language

CODE

- Conducted Image Caption generation using the transformer architecture model on a cultural heritage dataset with 2.5k images of 6 heritage sites in Nepal.
- Explored dataset properties, prepared datasets and data loaders, and applied data preprocessing techniques, including data augmentation.
- Implemented interactive UI using react js and bookend server to communicate with model using flask

Experiences

UpStartPrep

Knoxville, Tennessee, United States

BACKEND DEVELOPER

Dec. 2022 - JUN. 2023

- Creating and improving application programming interface (APIs), architecture, and servers, and databases (SQL) for E-Learning Platforms.
- Implementation of Payment System
- Implementation of Instructors and Student Chat Feature