

SURAJ SHARMA

BACKEND DEVELOPER

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Address: Kathmandu, Nepal

TECHNICAL SKILLS

Proficient in

Python, Flask, FastAPI, SQL, MySQL, PostgreSQL, Docker, SQLAlchemy, Alembic, JWT Authentication, MongoDB, MQL5, Expert Advisor ,Git Version Control, JIRA, Deployment(C panel)

Familiar with

C, C++, C#, .NET, HTML, CSS , Javascript

PROFESSIONAL EXPERIENCE

Backend Engineer

Jan 2024 - Present

CITA Algo Labs, USA(Remote)

[View Live](#)

- Developed Restful APIs.
- Built APIs for the internal operations Writing web socket connecting code .
- Wrote optimized code.

Tech Stack: Python, FastAPI, MongoDB, JWT Authentication, Python-Socket Integration, MQL5, Expert Advisor

Backend Developer

Jul 2023 - Dec 2023

Shiv Trading, Nepal (Remote)

[View Live](#)

- Helped client tiles and marbles business go online.
- Developed CRUD APIs for an ecommerce type tiles and marble website where user can search their favorite tiles and marbles according to size and name.
- Admin can upload and delete images of tiles through the API.

Tech Stack: Python, Flask, MySQL, Flasksqlalchemy, JWT authentication

Backend Developer

Jan 2023 - Jul 2023

Jupiter, USA (Remote)

- Designed and built the secured RestfulAPIs.
- Wrote the optimized code that could handle the vast users Dockerized the backend and frontend into containers

Tech Stack: Python, FastAPI, SQLAlchemy, Docker, JWT Authentication, PostgreSQL and Alembic

Backend Intern

Oct 2022 - Jan 2023

SEDS-Nepal (Remote)

[View in Github](#)

- Collaborated with team to develop a membership management system database Schema and APIs .
- Wrote the optimized code.
- Did testing of the Restful APIs .

Tech Stack: Python, FastAPI, SQLAlchemy, Docker and PostgreSQL

PROJECTS

Tourist Guide Bot using Transformer Model

[View in Github](#)

- It guides the tourists about the different places and culture of Nepal.
- It has pre-trained GPT2 model trained on our custom dataset related to the places of Nepal.

Tech stacks : FastAPI, GPT2 transformer model, JWT Authentication

Text File Compressor

[View in Github](#)

- This application compresses and decompresses the text.
- In this application, Huffman coding algorithm is implemented manually i.e. no external module is used.

Tech Stack: FastAPI, python, PostgreSQL

URL Shortner by ChatGPT

[View in Github](#)

- Used ChatGPT to build the fullstack url shortner website .

Tech Stack: Flask , Python, HTML, CSS, JavaScript

EDUCATION

Bachelors in Computer Engineering

2019 - 2024

Institute of Engineering(IOE), Purwanchal Campus, Dharan

CERTIFICATES

Intro to Machine Learning

FastAPI Fundamentals

Introduction to SQL

EXTRA CURRICULAR

Backend Mentor- Aces Techfest 6.0/ Delta 4.0

Mentored as a backend developer at biggest hackathon in Nepal, providing guidance and support to participants throughout the event.

Event Coordinator - Deltathon 3.0

Managed 48 hours long hackathon event with other team members. Made available all the things needed to the participants.

Event Coordinator - Leo Club Cloth Donation Program

Managed the program from collecting the clothes from the people to distributing them to the needy ones. Directed, supported and lead the team for the program's success which was achieved.

Leo Member- Leo Club of Itahari Professionals

Actively working for the welfare of the society by providing the hands in need and by organizing different types of campaigns and programs. My Leo Member ID is 5983175.