

Sahaj Gyawali

Student



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OBJECTIVE:

A passionate and hardworking CSIT student with a strong interest in Machine Learning and Artificial Intelligence, seeking opportunities to apply theoretical knowledge to real-world projects. With solid programming skills, a strong mathematical foundation, and deep enthusiasm for AI, And I committed to contributing to team success and advancing my career in the field of AI.

SKILLS:

- **Programming Languages:** Python, My SQL
- **Data Analysis Tools:** Pandas, NumPy, Matplotlib, Seaborn
- **ML/AI Frameworks:** TensorFlow, PyTorch, Scikit-learn, Keras
- **Deployment:** Docker, FastAPIs
- **Development Tools / Version Control:** Jupyter Notebook, PyCharm, VS Code, Git, GitHub
- **Other Skills:** Familear with linux, Problem-solving, Software Optimization, Critical Thinking, Communication.

PROJECTS:

House Price Prediction Model

- Created prediction model using RandomForestRegressor to predict house price with good accuracy.
- Performend datapreprocessing, including handling missing values, encoding categorical feature and feature scaling.
- Used Pandas and Numpy for datamanupulation and Matplotlib & seaborn for Data & feature visulization.
- Used Scikit-learn for preprocessing and evaluation.

Nepali Movie Recommendation System

- Built a full-stack movie recommendation systemusing content-based filtering (cosine similarity) with secure JWT-authenticated FastAPI backendand a responsive React + TailwindCSS frontendfeaturing search suggestions.
- Collected and processed Nepali movie datathrough web scraping with BeautifulSoup
Displayed personalized movie recommendations with detailed info including posters, trailers, genres, and cast, offering users an intuitive and engaging viewing experience.

EDUCATION:

Bachelor's Degree in Computer Science and Information Technology (Running)

Bhaktapur Multiple Campus(Tribhuwan University),Bhaktapur, Nepal

Higher Secondary Education (2020-2022)

Kathmandu Model College, Kathmandu, Nepal

Major Subjects: Physics, Chemistry, Mathematics, Biology

ADDTIONAL INFORMATION:

Languages: Nepali (Mother tongue), English.

Hobbies: Playing cricket, Nature photography.