

Nishchit Bhandari

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EDUCATION

Kathmandu Model Secondary School, Kathmandu, Bagmati Province

September 2023

School Leaving Certificate

GPA: 3.46/4

Honors: Top 2% High school scholarship

Fluorescent Secondary School, Kathmandu, Bagmati Province

April 2021

Secondary Education Examination

GPA: 3.95/4

RELEVANT EXPERIENCE

Xuno.co

Kathmandu, Bagmati Province

Junior AI Developer

September 2024-Present

- Optimized existing data collection tools using Playwright, BeautifulSoup and Requests and created RestAPI endpoints using Flask, PostgreSQL, and SQLAlchemy, increasing the overall performance by 300%, enhancing the experience of 3.8K users/month.
- Worked on handling big data using AWS Data Lake Formation

Uunchai

Kathmandu, Bagmati Province

AI Researcher, Backend Developer

June 2024-July 2024

- Collected and analyzed data from various sources to fine-tune AI model (Gemini) to generate Nepali folk stories
- Conducted sessions on Backend web development, Git, and Github

LEADERSHIP & ADDITIONAL ACTIVITIES

AuraED Nepal

Kathmandu, Bagmati Province

Executive, Tutor

October 2021-Present

- Mobilized 30+ human resources in operational tasks like content creation, sponsor hunt, communication, etc.
- Spread digital education to 3000+ underprivileged children from across the country, teaching about cyber-safety, digital literacy, and programming languages.

Data Research Council for Students

Kathmandu, Bagmati Province

Vice President, Tutor

August 2022-Present

- Built an international community for 2000+ AI enthusiasts from different parts of Nepal, India, and the USA.
- Collaborated with professors, tech practitioners, and companies for talk shows and advising sessions.
- Conducted tutoring sessions and research on Artificial Intelligence, NLP, and Image Processing.

Computer Club of Kathmandu Model Secondary School

Kathmandu, Bagmati Province

President

August 2021-July 2023

- Managed 30+ human resources, gathered \$8000 from sponsorship to organize two national level tech fests with events like e-sports, competitive programming, web development competition, etc.
- Led programming, web-development, and cybersecurity workshops for club members and students, conducted field-visit sessions in IT industries to provide industry insights.

Robotics Club of Fluorescent Secondary School

Kathmandu, Bagmati Province

Member

August 2021-July 2023

- Built projects to compete in national events, won "Best Sense" Category in Bhawishya STEM Challenge 2019.
- Collected \$5000 from sponsorships to organize two national level fests with project exhibition, games & esports.

PROJECTS

SUBIINA - Stress and Unhappiness Behavioral Identification Using Intelligent Artificial Neural Networks and Analysis

- Collected, cleaned, analyzed, and visualized data from various sources to train speech-emotion detection motion to detect emotion of provided speech.
- Trained, tested, and validated data based on various structures of Neural Networks: Convolutional Neural Networks and Recurrent Neural Networks

Farmbuddy

- Built an interactive webapp for farmers that recommends suitable crops analyzing data like NPK and pH value of soil, rainfall, and temperature with drought and wetting alert system.
- Got nominated globally on NASA Space Apps Challenge 2024, top 6% globally among 15000+ teams.

MIDEQ ICT4D, Pardesi.org.np

- Collaborated with tech experts, governmental and non-governmental organizations, and professors to create an interactive webapp for foreign workers of Nepal to get overall information provided by Nepal Government.
- Created videos, designed presentations and pamphlets for the launch event of the website.

SKILLS

- Programming Languages, Frameworks & Databases:** Python, Rust, HTML, CSS, Django, FastAPI, Flask, Numpy, Pandas, Matplotlib, Tensorflow, Pytorch, BeautifulSoup, Alembic, SQLAlchemy, POSTGRESQL, SQLite
- Tools and OS:** Git, Github, Docker, Jupyter Notebook/Google Colab, Langchain, VSCode, AWS, Windows, Linux