

Utsav Acharya

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WORK EXPERIENCE

Backend Engineer and Data Scientist

11/2023 – present

Omdena 🔗

Participated as data analyst and backend developer in following projects:-

- 1) Combatting illegal deforestation in Romania 🔗
- 2) Mapping Seagrass Meadows 🔗
- 3) Agriculture Analysis on Kenya 🔗

Data Science and Business Analytics Intern

09/2023 – 10/2023

The Sparks Foundation

- Created raspberry pi app for **Tomato Disease Classification** 🔗
- Did **Exploratory Data Analysis on IPL 2023** 🔗

ACADEMIC PROJECTS

Volt Vision 🔗

Energy demand forecasting for Nepal households.

- Used pandas for data analysis and **xgboost** for demand forecasting.
- Used **sarimax** and **arimax** model for time series analysis and price forecasting.

Rakhsak 🔗

An all-in-one safety application designed to provide **real-time updates** on accidents, floods, and other hazards.

- Used **nextjs** for frontend
- Used **fastapi** as backend with mongodb dataset
- Use **beautiful soup** for webscrapping

Guardian Shield 🔗

Guardian-Shield is a browser extension designed to enhance your online security by detecting and preventing common fraud and phishing attempts in your emails.

- Used **chrome apis** for extension
- Used **bert transformer** and **pytorch** for spam detection
- Use **peagsus transformer** and pytorch for terms and conditions summarizing.

EDUCATION

Bachelors in Computer Engineering

2023 – present

Pulchowk Engineering Campus

Kathmandu, Nepal

High School

2021 – 2023

Capital College and Research Centre

Kathmandu, Nepal

GPA: 3.91 + 3.73

AWARDS

Specialist, National top 10

2024

Codeforces

Tribhuvan University Merit-Based Scholarship

2023

Tribhuvan University

National IT Olympiad Silver Medalist

2022

STEM, Nepal

SKILLS

Languages — Python, C, C++, Javascript

Frameworks — Numpy, Pandas, Flask, Fastapi, Django, Matplotlib, Seaborn, Scikit Learn, Tensorflow, OpenCV, Spacy, React

Developer Tools — Git, Docker, VS Code, Tableau