

Bibek Acharya

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EDUCATION

Advanced College of Engineering and Management

Bachelor's of Engineering, Computer Engineering

Balkhu, Kathmandu

2022 - 2026

ABOUT

A Computer Engineering student who is passionate about science and Artificial Intelligence. Experience in basic machine learning algorithms. Want to learn, grow and implement knowledge practically for real world projects through technologies. A curious learner and a seeker for growth.

PROJECTS

- **Lung Cancer Prediction** - Used Naive Bayesian Classification to detect if a person has lung cancer or not. Applied various machine learning techniques and understood the basics of classification.
- **Exploratory Data Analysis** - Analyzed data sets to summarize their main characteristics using statistical graphics and other data visualization. Visualized unusual data, outliers and understood its application in machine learning.
- **Air Quality Forecasting** - Evaluated Long Short Term Memory and Transformer models for cross regional air quality forecasting. Learned about advanced deep learning techniques and evaluated their performance on sequential time series data and also checked how generalizable machine learning models are while working on cross regional data sets. Successfully forecasted air pollution levels of different regions using both LSTM and Transformer models.

SKILLS & INTERESTS

- **Programming Languages** - Python, C, C++
- **Deployment tools** - HTML, CSS
- **IDE** - Jupyter Notebook, VScode, Pycharm
- **Visualization** - Matplotlib, Seaborn, Plotly
- **Language** - Nepali, English
- **Leadership and presenter**