

Uttam Chaudhary

BSc IT Student — Machine Learning Enthusiast

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Professional Summary

Final-year BSc IT student with hands-on experience building machine learning models and Python applications. Developed projects in sentiment analysis, robotics, and database systems. Seeking ML/Data Science internship opportunities to apply analytical and programming skills to real-world problems.

Education

BSc IT Presidential Graduate School	2023 – Present
A Levels British Model College	2019 – 2023

Technical Skills

Programming Languages: Python, SQL

Machine Learning: Logistic Regression, Support Vector Machine, Random Forest, Classification, Regression, Clustering, Model Evaluation

Data Analysis & Visualization: Pandas, NumPy, Matplotlib

Database: MySQL

Tools: Git, GitHub, Jupyter Notebook, Google Colab, VS Code

Projects

Political Party Popularity Prediction *Python, Machine Learning*

- Developed a machine learning project to predict the popularity of political parties in Nepal using social media sentiment data and election-related information.
- Performed text preprocessing and vectorization to transform sentiment text into machine-readable features.
- Implemented and compared Logistic Regression, Support Vector Machine, and Random Forest models for prediction.

Library Management System *Python, SQL, HTML, Flask*

- Built a web-based application to manage books, members, and loan records efficiently.
- Designed a MySQL database to store and retrieve library information.
- Implemented functionalities such as adding, editing, searching, and deleting records using Flask.

World Robot Challenge China – Puck Collector *Arduino* Aug 2025

- Developed a puck-collecting robot for participation in the World Robot Challenge held in China.
- Designed the robot to identify and collect red and blue pucks and deposit them into the corresponding team-colored base.
- Utilized Arduino Mega, color sensors, planetary gear motors, and servo motors for control and actuation.