

BIPUL TAMANG

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Motivated and technically skilled with a background in web development, data analysis, data pipelines, automation, visualization and software applications development. Experienced with Python, Web (backend/frontend) frameworks, SQL, different database systems, cloud data platforms. Curious about new systems and always staying up to date with different changes in the technology.

WORK EXPERIENCE

Software Intern

2/2024 – 8/2024

LIS Nepal

- Provided support in maintenance and monitoring of ETL data pipelines, ensuring reliable processing of large scale scientific and environmental datasets.
- Automated data validation and batch reporting using Python, improving accuracy and efficiency of workflows.
- Worked on modern data engineering tools including Snowflake, Apache Airflow, and AtScale to manage and process structured datasets.
- Experience in data cleaning, transformation and integration.

EDUCATION QUALIFICATION

MSc Software Engineering (Ongoing)

2025-Present

University of West London

Bachelors in Computer Application (Completed)

2019-2024

Asian College of Higher Studies. Ekantakuna Lalitpur (Tribhuvan University)

Grade (CGPA): 3.39

PROJECTS

1. Student Performance Analyzer (Web Application)

- Designed and developed a data-driven student management web application to analyze and visualize large student datasets using JAVA (JSP/Servlet) and MySQL.
- Applied decision tree algorithm to identify performance trends based on demographic and academic factors.
- Created interactive charts and dashboards visualize student attendance and student marks.

2. Video Editing Application (Mobile Application)

- Flutter based mobile application for video processing and filtering, implementing native Java modules for low level frame editing (YUV data manipulation).
- Focused on system-level performance.
- Demonstrated ability to integrate cross-platform technologies and handle large unstructured data (video frames).

GitHub Link: [Bipul6129 \(Bipul Tamang\) \(github.com\)](#)

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Dart, JavaScript, PHP
- **Data Analysis and Machine Learning:** Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn
- **Databases and Tools:** Snowflake, PostgreSQL, MySQL, SQL, Hadoop, AtScale, Apache Airflow, Docker
- **Frameworks and Libraries:** JSP/Servlet, Flutter, React, Django, Laravel
- **Software and Utilities:** Git, Postman, REST API, MS Office Suite,
- **Operating Systems:** Windows OS, Linux, Mac OS

AWARDS

- Project Defense Winner, 2022 for Project.
- Certificate of Recognition for outstanding academic performance