Aaditya Adhikari

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• @AadityaAdh

in /Aaditya Adhikari

SKILLS

- Programming Languages: Python, JavaScript, C, C++
- **❖ Web Technologies**: MERN(Basics)
- ❖ Databases/Tech-Stack: MySQL, PostgreSQL, Apache Airflow, Selenium, Docker, Hadoop and Spark (Basics)

EDUCATION

Khwopa Engineering College, Libali, Bhaktapur Bachelor in Computer Engineering, CGPA:3.49

(2024 A.D)

WORK EXPERIENCE

GrowByData (Data Engineering Intern)

(Jan 2025 - Apr 2025)

- > Built an automated ETL pipeline using Apache Airflow to schedule, run, and monitor data extraction and processing tasks.
- Extracted product data from Daraz, Amazon, and Amazon India using Selenium, also handling pagination.
- > Performed data transformation and cleaning using Pandas, including handling missing values, standardizing formats, and ensuring schema consistency.
- > Loaded the cleaned data into a PostgreSQL database for efficient storage and easy access.
- Containerized the entire ETL process using Docker, enabling scalable, reproducible, and isolated deployment across environments.

ACADEMIC PROJECTS



- - > Trained the model on a dataset of student faces to ensure high accuracy and reduced false positives/negatives.
 - > Integrated the system with MongoDB for storing attendance logs and used OpenCV for real-time face detection and recognition.

Traffic Sign Recognition and Generation

- > Developed a traffic sign recognition system tailored for Nepal's traffic signs, utilizing a CNN for accurate classification.
- > Researched and implemented GANs to generate traffic sign images and provide users with a diverse range of traffic signs.
- > Preprocessed and annotated images using OpenCV and Albumentations for efficient training, ensuring the model's robustness against real-world scenarios.

❖ E-commerce website (MERN stack) ⊗

- > Developed an e-commerce platform for Prativa Chemicals using the MERN stack, supporting CRUD operations for products, orders, and user management.
- ➤ Designed an intuitive frontend using React.js to ensure an engaging user experience and integrated backend APIs with Node.js and Express for seamless data handling.
- > Implemented a MongoDB database schema for efficient storage and retrieval of product and user data, ensuring scalability.