Nischal Shrestha

+977 9869307782 | nischalstha08@gmail.com | linkedin.com/in/nischalstha08 | github.com/nischalstha08

Summary

- Detail-oriented IT student with strong skills in SQL, Python, and data analysis.
- Experience in building ETL pipelines, automating data workflows, and managing structured data.
- Skilled in database concepts, data modeling, and writing optimized queries.
- Proven ability to extract insights from data, document processes, and collaborate cross-functionally.

Experience

Python Intern (Backend)   Jan 2025 – Present
Information Technology Concerns, Kathmandu
- Assisted in creating automated data pipelines for web scraping and data ingestion.
- Worked with relational and NoSQL databases (MySQL, MongoDB, Redis) to store and query large datasets.
- Utilized Docker and Linux for environment setup and deployment of data-centric services.
- Documented APIs and pipeline logic for maintainability and team collaboration.

Technical Support Representative   Sep 2023 – Apr 2024
Kalash Services Pvt. Ltd, Lalitpur
- Resolved technical issues related to networks, IP configuration, and DNS.
- Kept detailed support logs and worked directly with clients to solve connectivity problems.

Cloudworker (Data Annotation)   May 2023 – Sep 2023
CloudFactory, Kathmandu
- Labeled, cleaned, and verified datasets for machine learning and computer vision tasks.
- Ensured data accuracy and adherence to strict project guidelines.

Projects

RealAgents: House Sales Prediction — *Python, Pandas, Scikit-learn*   GitHub
- Built an end-to-end ML pipeline for predicting house prices using a 1500-row dataset.
- Performed data cleaning, feature engineering, and categorical encoding.
- Trained Linear Regression and Random Forest models, achieving RMSE < 30,000.
- Validated results and documented findings as part of Data Scientist Associate certification.

Web Scraper API — *Flask, REST, Scrapy*   GitHub
- Developed a RESTful API to scrape structured data from dynamic websites using Playwright.
- Handled proxy rotation, retries, and error logging for large-scale data extraction.

Django Blog Platform — *Django, PostgreSQL*   GitHub
- Created a full-featured blog application with user login, post creation/editing, and database integration.
- Used Docker for local deployment and PostgreSQL for persistent storage.

Education

Tribhuvan University   Lalitpur, Nepal
Bachelor's in Information Technology (Expected 2025)
- Completed coursework in DBMS, Algorithms, Software Engineering, and Data Structures.
- Earned merit-based scholarship in 1st and 2nd semesters.

Licenses & Certifications

- **Data Scientist Associate** – DataCamp (Issued Mar 2025), Credential ID: DSA0017235775056
- **Data Analysis with Python** – Cognitive Class (Jan 2025), Credential Link
- **Python for Data Science and Machine Learning Bootcamp** – Udemy (Mar 2025), Credential Link
- **Analyze Sentiment with Natural Language API Skill Badge** – Google (Apr 2025), Credential Link
- **GitHub Foundations** – GitHub (Apr 2025), Credential Link

Technical Skills

- **Languages**: Python, SQL, Bash
- **Frameworks & Libraries**: Pandas, Scikit-learn, Flask, Django, Scrapy, Selenium
- **Databases**: MySQL, PostgreSQL, MongoDB, Redis
- **DevOps & Deployment**: Docker, Git, Linux, CLI
- **Other**: Data Cleaning, ETL, REST APIs, HTML/CSS, CI/CD (basic)

Soft Skills

- Analytical Thinking, Team Collaboration, Problem Solving, Documentation, Fast Learning