

Dipesh Poudel

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EDUCATION

Earlham College

Bachelor of Arts in Computer Science and Mathematics (Cumulative GPA: 3.87/4.0)

Aug. 2018 – Dec 2021

Richmond, IN

WORK EXPERIENCE

Data Manager (On-Campus)

Joseph Moore Museum

September 2020 – Present

Richmond, IN

- Cleaned duplicate entries on Museum's Aves and Mammals collections database.
- Pre-processed the Museum's Mammal, Bird, and Herpetology collections data in the process of connecting the database to VertNet.
- Modified data entry form by tweaking the XML code.

Teaching Assistant

Earlham College

August 2019 – Present

Richmond, IN

- Teaching Assistant for introductory Computer Science and Statistics courses. (CS 128, CS 256, CS 310, MATH 120, MATH 300)
- Helping students with 10 hours a week of tutoring sessions, and graded homework and assignments.

Undergraduate Researcher

Earlham College

May 2020 – June 2020

Richmond, IN

- Completed a research paper on "Role and Biasedness of Pre-Sale Estimates on South Asian Art Auctions" in collaboration with Economics Prof. Rajaram Krishnan.
- Performed exploratory data analysis on SaffronArt's auction data to accommodate the research needs.

Sustainability Data Manager (On-Campus)

Center for Environmental Leadership, Earlham College

October 2018 – April 2020

Richmond, IN

- Entered and analyzed Earlham College's 2018 and 2019 energy data using Excel, Python, and PostgreSQL.
- Pre-processed and visualized energy data, and embedded the Tableau dashboard in Earlham's website.
- Presented a research poster "Insights on Earlham College Energy usage in 2018" in Earlham's Epic Expo 2019.

Research Intern

Biruwaa Advisors

January 2018 – May 2018

Kathmandu, Nepal

- Involved in data entry, translation, and report editing for PACT INC./ USAID "Sajhedari Bikas" project.
- Carried out secondary research for "Aagaman", an initiative that assist Nepalese migrants living abroad.
- Wrote a research article on "Goat meat industry in Nepal".

PROJECTS

Twitter Hashtag Recommendation | *Python, Twitter API, NLTK, Streamlit, PostgreSQL* — **[Project Link](#)**

Nepal's COVID-19 Data Automation | *Python, Pandas, Plotly, Streamlit, BeautifulSoup* — **[Project Link](#)**

SaffronArt Data Cleaning | *Python, Pandas, BeautifulSoup, Excel* — **[Project Link](#)**

Insights on Earlham College's Energy Usage | *Python, Psycopg, PostgreSQL, Tableau* — **[Project Link](#)**

Earlham College CS Course Dashboard | *Tableau, Excel* — **[Project Link](#)**

Database Design - Online Bookstore | *MySQL* — **[Project Link](#)**

Chicago Crime Prediction Model | *Python, Pandas, Scikit-learn, Matplotlib* — **[Project Link](#)**

OTHERS

Technical Skills: Python, SQL, Tableau, NoSQL, R, Excel, Web Scraping, Data Visualization, Exploratory Data Analysis, Google Cloud Platform (GCP), LaTeX, Bash, Git

Languages: Nepali (Native), English (Fluent), Hindi (Advanced)

Organization: American Statistical Association, Earlham Student Government, Earlham Hackers, TEDx Earlham, Net Impact Student Chapter

Hobbies: Chess, Table Tennis, Cricket, Hiking, EDM, Travel