

# Dipesh Poudel

317-798-9745 | 801 National Rd W 1417, Richmond, IN | [dipeshpoudel@outlook.com](mailto:dipeshpoudel@outlook.com) | [dipeshpoudel.com](http://dipeshpoudel.com) | [github/Dpoudel18](https://github.com/Dpoudel18)

## EDUCATION

### Earlham College

*Bachelor of Arts in Computer Science and Mathematics (Cumulative GPA: 3.86/4.0)*

Aug. 2018 – May 2022

Richmond, IN

## WORK EXPERIENCE

### Teaching Assistant

*Computer Science and Mathematics Department, Earlham College*

August 2019 – Present

Richmond, IN

- TA for CS 128 (Intro to Programming), MATH 120 (Elementary Stats) and MATH 300 (Mathematical Stats).
- Helped students with 10 hours a week of tutoring sessions, and graded homework and assignments.

### Sustainability Data Manager

*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".

## RESEARCH EXPERIENCE

### Undergraduate Researcher, Earlham College

*Role and Bias of Pre-Sale Estimates in Art Auctions*

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 EDA on SaffronArt's data using Python (Pandas) and Excel to accommodate the research needs.

### Undergraduate Researcher, Earlham College

*Sustainable Cities in Europe*

May 2019 – June 2019

{London, Paris, Freiburg, Copenhagen}

- Toured 4 European cities as part of a collaborative research team led by Prof. Thor Hogan and Prof. Jay Roberts.
- Studied the role of technology and data in making cities more sustainable, smart and energy-efficient.

## PROJECTS

**SaffronArt Data Cleaning** | *Python, Pandas, BeautifulSoup, Excel*

**Insights on Earlham College's Energy Usage** | *Python, Psycopg, PostgreSQL, Excel, Tableau*

**Covid-19 Scenario in Nepal** | *Tableau, Excel*

**Chicago Crime Prediction Model** | *Python, Pandas, Scikit-learn, Matplotlib*

**Continuous Probability Distributions: Integration Approach** | *R*

Details about these projects can be found at <https://dipeshpoudel.com>

## COURSEWORK

**Computer Science:** Data Structures, Algorithms, Introduction to Data Science, Artificial Intelligence and Machine Learning, Relational Database Systems, Networks and Networking, Theory of Computation, Computer Organization.

**Mathematics:** Calculus I, Calculus II, Symbolic Logic, Linear Algebra, Mathematical Statistics, Mathematical Modelling, Intro to Mathematical Proof, Abstract Algebra I.

## OTHERS

**Technical Skills:** Python, SQL, Tableau, R, Excel, LaTeX, Bash, Git, Data Visualization, Exploratory Data Analysis

**Libraries:** Pandas, NumPy, Psycopg, Scikit-learn, Matplotlib, Ggplot, Plotly

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

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

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