






Ujjal Koirala

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CARRER OBJECTIVES

Enthusiastic and driven computer science student with a passion for programming, eagerly pursuing an opportunity in a challenging role within the field. Excited to leverage and develop skills in a vibrant work atmosphere, dedicated to contributing to projects and advancing professionally.

EDUCATION

Secondary Education Examination (SEE) – 3.45 GPA	2019
<i>Siddhartha Vidyapeeth Secondary School</i>	Gatthaghar, Bhaktapur
Plus 2 – 3.22 GPA	07/2019 – 11/2021
<i>Knowledge and Wisdom Academy</i>	New Baneshwor, Kathmandu
Bachelor of Computer Science - IT (Hons.) -- 5th Semester	03/2022 -- Present
<i>Sunway College Kathmandu - (Infrastructure University Kuala Lumpur)</i>	Maitidevi, Kathmandu

PROGRAMMING SKILLS

- Python
- Django
- NumPy
- Pandas
- Microsoft Office
- MySQL
- Power BI
- GIT and GitHub
- Scrapy
- scikit-learn

PROJECTS

Supermarket Sales Analysis

Pandas | Seaborn | Matplotlib

Supermarket Sales Analysis project utilizes Pandas for data manipulation and Seaborn with Matplotlib for visual insights. It employs hypothesis testing to validate assumptions about sales trends, customer behavior, and product performance.

American Public School SAT Scores Analysis

Pandas

This Data manipulation project in pandas analyze SAT score data from American high schools. It first identifies schools with exceptional math performance, filtering for those scoring at least 80% of the maximum possible math score. Then, it pinpoints the top 10 performing schools based on the combined scores from math, reading, and writing sections. Additionally, the script calculates statistics for each NYC borough, revealing the borough with the highest variability in SAT scores. Overall, it offers insights into school performance and regional differences in SAT scores, aiding educators and policymakers in understanding educational disparities.

Visualizing the History of Nobel Prize Winners

Pandas | NumPy | Matplotlib | Seaborn

This EDA project identifies the most commonly awarded gender and birth country among laureates. Additionally, it pinpoints the decade with the highest ratio of US-born winners and determines the decade-category combination with the highest proportion of female laureates. Furthermore, it delves into historical milestones, revealing the first woman to win a Nobel Prize and her respective category. Lastly, it compiles a list of individuals or organizations who have achieved the remarkable feat of winning multiple Nobel Prizes throughout history.

Analyzing Crime in Los Angeles

Pandas | NumPy | Matplotlib | Seaborn

This EDA utilizes publicly available crime data from Los Angeles Open Data to analyze patterns and trends. It begins by examining the frequency of crimes by hour, identifying peak crime hours. It further investigates the area with the highest frequency of night crimes (between 10 pm and 3:59 am). Finally, it categorizes crimes by age group, providing insights into the distribution of victims across different age brackets. Overall, the project aims to identify temporal, spatial, and demographic patterns in crime occurrences.

DSA Project

Python and Django

Developed a Django web application with Bubble, Selection, and Insertion Sorts for user-input integers, featuring authentication and results on a new page.

Real Estate Web app

Python and Django

I have developed a real estate web application using Python's Django framework, designed to securely assist customers in finding their dream land, apartment, or house, incorporating user authentication for enhanced security and personalized experiences.

CERTIFICATIONS

Course Certificate by IBM

Python for Data Science, AI Development, an online non-credit course authorized by IBM and offered through Coursera.

Course Certificate by UCDAVIS

SQL for Data Science, an online non-credit course authorized by the University of California. Davis and offered through Coursera.

Course Certificate by Data camp and Kaggle

For successfully completing Data Manipulation with Pandas.

Data Visualization with Seaborn by Data camp

For successfully completing Intermediate Data Visualization with Seaborn.

Certificate for Completion of Python Django by Sunway College Kathmandu

For successfully completing the Python Django course.

Statement of Accomplishment by Data camp

For successfully completing Introduction to NumPy.

LANGUAGES

- English
- Nepali
- Maithili