Kunal Rajput

Python Engineer | Data Analysis, Data Science, Machine Learning With 6 months of experience, I specialize in using Python to analyze data, build machine learning models, and create data-driven solutions. Skilled in Oops and tools like NumPy, pandas, Django and scikit-learn, with a focus on practical problem-solving.
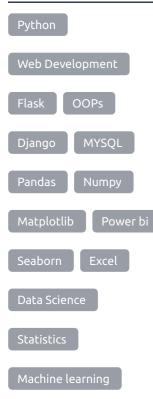
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SKILLS

Python

Web Development

Flask   OOPs

Django   MYSQL

Pandas   Numpy

Matplotlib   Power bi

Seaborn   Excel

Data Science

Statistics

Machine learning

linear regression

Data cleaning

Visualization

Sklearn

Data preprocessing

k-Nearest Neighbors

WORK PROJECTS

Student attendance project
Workplace/Company

2023 - 2023

Achievements/Tasks

- Developed a student attendance tracking system using Python with NumPy and pandas for efficient data manipulation and analysis.
- manipulation and analysis. Implemented data visualization using Matplotlib and Seaborn to generate insights on attendance trends and batch performance.
- Classified students based on courses and batches (weekend vs. weekday) for targeted reporting and batch-specific analysis. Automated attendance calculations to track daily, weekly, and monthly attendance rates with real-time analytics.

Hotel Booking Project
Workplace/Company

2024 - 2024

Achievements/Tasks

- Integrated an open-source API to scan the user's location and retrieve real-time hotel data, enhancing the booking experience.
- Visualized hotel availability and details using dynamic graphs and pie charts within Jupyter Notebook for easy analysis.
- Leveraged Python data libraries to process and display hotel information, providing a user-friendly interface for hotel selection.

Web Scrapping
Workplace/Company

Achievements/Tasks

- Developed a web scraping tool using Python libraries like BeautifulSoup and requests to extract structured data from websites.
- Automated data collection from multiple web sources, enabling efficient extraction and storage of large datasets.
- Processed and cleaned scraped data for analysis, ensuring high data quality and usability for various applications.

PERSONAL PROJECTS

Hotel Management System (11/2024)
- This project is a basic Hotel Management System written in Python. It models the core functionality of managing hotel rooms, customer bookings, check-ins, check-outs, and billing.
- The project uses object-oriented-programming principles to encapsulate the operations into three primary classes: Room, Customer, and Hotel.

EDUCATION

BCA - Bachelor of Computer Applications
Amity University

2022 - 2025

Courses

- participate in internal college hackahthon and placed 3rd.
- created project DA/DS project and presented it.