PIYUSH KUMAR

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EDUCATION

Lakshmi Narain College of Technology, University Bhopal, India
Bachelor of Technology in Computer Science And Engineering (AIML): GPA: 6.94 **November 2022 - July 2026**

D.A.V PUBLIC SCHOOL Jamshedpur, India
Senior Secondary : GPA: 67.60 **July 2020**
Higher Secondary : GPA: 60.20 **July 2022**

SKILLS SUMMARY

- **Languages**: Python, SQL, JAVA
- **Frameworks**: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn
- **Tools**: Power BI, Excel, PowerPoint, MySQL
- **Platforms**: PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills**: Strong management skill, Excellent communication, Rapport Building

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PROJECTS

Student Management System | LINK **July 23- August 2023**
- **Overview:** A Python-based application to manage student information using OOP principles and JSON file handling.
- **Core Features**: Supports student registration, viewing, editing, and deletion of student records.
- **Data Handling**: Stores student data persistently in a JSON file, ensuring it's available across program runs.
- **Technologies**: Built using Python with focus on OOP concepts like classes, methods, and attributes.

Car Price Data Analysis | LINK **September 23- November 2023**
- **Overview**: A data-driven project focusing on cleaning, preparing, and visualizing car price data to derive insights into relationships between car features and prices..
- **Data Preprocessing**: Handled missing values, normalized features, performed feature engineering, and removed outliers for accurate analysis.
- **Visualization**: Used scatter plots, histograms, bar charts, and heatmaps to explore the impact of both continuous and categorical variables on car prices.
- **Technologies**: Implemented using Python with libraries such as Pandas, NumPy, Matplotlib and Seaborn for data manipulation and visualization.

USA Housing Price Prediction | LINK **December 23- February 2024**
- **Overview**: A project focused on predicting house prices in the USA using linear regression based on key housing features.
- **Data Exploration**: Visualized relationships between features with pairplots, violin plots, and displots to gain insights into the dataset.
- **Modeling and Evaluation**: Developed a linear regression model to predict house prices, evaluating its performance by comparing predicted vs. actual prices.
- **Technologies**: Used Python with NumPy, Pandas, Matplotlib, Seaborn, and Scikit-learn for data analysis, visualization, and machine learning.

CERTIFICATES

Programming for Everybody (Getting Started with Python) (University of Michigan) | CERTIFICATE **May 2023**
- **Python Fundamentals**: Learn to install Python, write your first program, and understand basic concepts like variables and data types.
- **Core Programming Concepts**: Utilize essential programming tools, including functions and loops, to store, retrieve, and manipulate data.

Python Data Structures (University of Michigan) | CERTIFICATE **July 2023**
- **Data Structure Principles**: Understand key data structures, their principles, and applications, including how to utilize Python dictionaries for storing key/value pairs.
- **File Handling and Task Automation**: Develop programs to read and write data from files, and accomplish complex tasks like sorting and looping using tuples.

Foundations: Data, Data, Everywhere (Google) | CERTIFICATE **October 2023**
- **Data Analytics Concepts**: Learn key concepts like data, data analysis, and data ecosystems, along with the role of tools such as spreadsheets and visualization in analytics.
- **Data Analyst Role**: Understand the responsibilities of a data analyst in interpreting data and supporting data-driven decisions across industries.