Shiv Prakash Gupta

prakashguptashiv911@gmail.com +91 830 373 1077 LinkedIn GitHub Website

Education

Pranveer Singh Institute of Technology (PSIT), Kanpur 2022 – 2026
Bachelor of Technology, Computer Science and Engineering (Data Science) **(Grade: 68%)**
Relevant Courses: *Python, SQL, Data Analytics, Data Structures and Algorithms, and Statistics*

Intermediate - CBSE 2019 - 2021
Doon International School, Kanpur **(Grade: 78.4%)**

High School - ICSE 2019
Mercy Memorial School, Kanpur **(Grade: 82.4%)**

Projects

AI-Powered Disease Prediction and Health Data Analysis System GitHub Link May'25 – Nov'25

- **Rectified over 500 data entry** discrepancies through rigorous data cleaning and preprocessing techniques, yielding a 50% enhancement in overall data accuracy for critical health indicator analysis.
- Performed **Exploratory Data Analysis (EDA)** and statistical analysis, on **20+** health-related variables to identify key health indicators.
- Created an **interactive Power BI** Dashboard to **demonstrate risk distribution(low, medium, high)**, and **patient risk level analysis.**
- Implemented **version control using Git for data analysis workflows**, **ensuring data integrity and facilitating seamless collaboration** among data analysis members with up to 4 team members.
- **Tools used:** Python, SQL, Power BI, Git.

UPI Transactions Data Analysis Dashboard GitHub Link Apr'25

- Loaded and transformed UPI transaction data from **Excel into Power BI Desktop**, performing data profiling, data cleaning, and data transformation.
- Investigated 20+ health-related variables using Exploratory Data Analysis (EDA) and statistical methods, pinpointing five key health indicators linked to increased risk of cardiovascular disease, improving risk assessment.
- **User-friendly visualizations** (bar charts, line charts, pie charts, KPI cards) to make insights easily accessible for stake holders.
- Developed an interactive **Power BI dashboard** with **8+** visuals.
- **Technologies used:** Microsoft Power BI, Python, Microsoft SQL, Microsoft Excel.

Technologies

Programming: Python, C++, JavaScript
Data Analysis: Data Cleaning, Data Wrangling, Data Transformation, Data Quality, SEO Analysis
Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
Statistics & ML: Statistical Analysis, Regression Analysis, EDA
Databases: SQL, PostgreSQL, Data Modeling
Tools: Microsoft Excel (Formulas), Google Sheets, Data Visualization

Achievements

- Data Analysis with Python - **IBM (Grade: 98%)** - Verify
- SQL for Data Science - **UC Davis (Grade: 91.82%)** - Verify
- **Mastered Python fundamentals** for data science, AI, and development through **rigorous** IBM coursework, with grade of **96.25%**, demonstrating strong comprehension of concepts. - Verify
- Certificate Of Excellence - **Coding Ninjas (Top 10%)** - Verify
- LeetCode Profile - Engineered optimal solutions for data structure problems on LeetCode, decreasing average algorithm runtime by 150 milliseconds.