

Kankan Paul

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SUMMARY

Experienced Data Analyst and Python Developer with a focus on transforming raw data into strategic insights. Proficient in **SQL, Python, Power BI** and **Excel** translating **business requirements** into actionable solutions. Committed to driving organizational growth through **data-driven decision-making**.

SKILLS

Hard Skills: Python, SQL, MongoDB, Statistics, Machine Learning, PySpark, Git, HTML, CSS, Javascript, Hive, SAS

Tools: Power BI Excel, PyCharm, Jupyter, MobaXterm, Dbeaver, GitHub, Axure AP

Soft Skills: Analytical and Problem Solving Skills, Requirement Gathering, Collaboration, Documentation, Management

EXPERIENCE

Data Analyst and Python Developer (Tata Consultancy Services)

Dec 2021 - Present

- 1) Engineered Python scripts with **pandas** and **numpy** for **EDA**, reducing data migration time by 30% and fortifying system integrity through effective **data cleaning** and **transformation**.
- 2) Leveraged Python libraries, such as **seaborn** and **matplotlib**, for **data visualization** and statistical analysis, boosting efficiency by 20%
- 3) Used **PySpark** to smoothly migrate large datasets, streamlining processes for quick, secure, and reliable data transfer
- 4) Offered detailed post-process **documentation** and technical support, optimizing operations for enhanced user efficiency.
- 5) Executed intricate **SQL** queries with **joins**, **CTE**, and **window functions**, ensuring accurate data retrieval and **transformation** in extensive datasets.
- 6) Utilized **statistical models** for predictive analysis, enhancing **data-driven decision-making**.
- 7) Developed and maintained **Power BI** reports using **M language** and **DAX**, enhancing data visualization for **key performance indicators** and insights, resulting in a 20% improvement in reporting efficiency.
- 8) Showcased **advanced Excel** proficiency, incorporating **pivot tables**, **VLOOKUPS**, and complex formulas. Contributed to a 15% increase in reporting accuracy and efficiency.

Client Engagement Analyst (Think and Learn Pvt Ltd)

Aug 2021 - Dec 2021

- 1) Conducted **extensive data analysis** using Excel, identifying **customer trends** and insights, contributing to a 20% improvement in reporting accuracy and efficiency.
- 2) Engaged with clients to **understand pain points**, synthesized findings, and presented **consolidated insights** to the team, facilitating **informed decision-making**.

PROJECTS

Data Transformation and Visualization using Power BI : Data Cleaning and Transformation

Link: <https://github.com/kankanpaul/MiniProjects/blob/main/Sales%20Dashboard.pbix>
<https://github.com/kankanpaul/MiniProjects/blob/main/HR%20Analytics.pbix>

Data Loading and Cleaning: Initiated meticulous data loading, establishing a robust foundation for analysis.

Column Augmentation for Enhanced Visualization: Introduced strategic columns to enrich data, enhancing visualization impact.

Powerful Dashboard Creation in Power BI: Leveraged Power BI's dynamic capabilities to merge cleaned and augmented data into a cohesive and insightful dashboard.

District-Level Disparity Analysis & Revenue Optimization Link:

Link: https://github.com/kankanpaul/telangana_data_analysis

Leveraging Python, **numpy**, and **pandas**, I analyze district-level data and craft **visualizations** with **seaborn** and **matplotlib**. Implementing **machine learning algorithms**, I predict revenue **growth trends** and discern **user behavior patterns**. This integrated approach facilitates informed decision-making in **district-level governance**.

EDUCATION

Bachelors of Technology,
Heritage Institute of Technology

Aug 2017 - Aug 2021