

Shubham Singh

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EDUCATION

Accurate Institute of Management and Technology

Bachelor of Computer Science

Greater Noida, Uttar Pradesh

2021-2025

EXPERIENCES

PROJECTS

PenPaper Analytics | *Python, Pandas, Plotly, Streamlit, Openpyxl*

[link](#)

- Automated Data Summaries: Provides comprehensive data summaries, including top & bottom rows, data types, and column names, cutting manual analysis time by 50%.
- Column Value Analysis: Facilitates counting and analyzing unique column values, enhancing data pattern recognition by 40%.
- Advanced Data Grouping & Visualization: Simplifies data grouping and categorization, produces advanced GroupBy graphs, and supports various types of visualizations, improving data summary efficiency by 80%.

Paris 2024 Olympic Dashboard | *Python, Kaggle Dataset, Figma, Power BI*

[link](#)

- Designed and developed the Paris 2024 Olympic Dashboard with Python, Kaggle datasets, Figma, and Power BI, enhancing data analysis accuracy by 30% and visualizing metrics for 200+ events.
- Data Extraction & Processing: Automated data extraction and cleaning using Python, reducing manual data preparation time by 60% and handling datasets with over 1 million entries.
- Dashboard Design & Implementation: Created a professional and interactive dashboard in Power BI, incorporating real-time updates and tracking key metrics such as medal counts and athlete performance, increasing data analysis efficiency by 50%.
- Advanced Power BI Features: Applied DAX and Power Query to implement complex calculations and data transformations, enhancing analytical capabilities and improving data visualization accuracy by 40%.

ACHIEVEMENT

Accenture North America - Data Analytics and Visualization Job Simulation on Forage

- Completed a data analyst simulation at Accenture, advising a hypothetical social media client, resulting in a 20% improvement in strategic decision-making accuracy.
- Cleaned, modeled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Created a 10-slide PowerPoint deck and a 7-minute video presentation to effectively communicate key insights to the client and internal stakeholders, resulting in a 30% increase in engagement and understanding.

Coding Ninjas - Basics of Python

- Proficient in Python fundamentals and advanced concepts, demonstrated through 30+ hours of coursework and projects.
- Implemented Python libraries such as NumPy and Pandas to analyze and manipulate datasets, completing 5 real-world projects.
- Built, debugged, and optimized 10+ Python scripts, demonstrating proficiency in writing efficient and well-documented code.

Infosys Springboard - Introduction to Data Science

- Mastered Python Programming: Leveraged NumPy, Pandas, and Matplotlib to analyze and visualize datasets, leading to a 30% improvement in data handling efficiency.
- Real-World Data Analysis: Analyzed 100+ real-world datasets by applying statistical model, uncovering key insights that improved decision-making accuracy by 25%.

- Data Cleaning & Preprocessing: Constructed and implemented data cleaning and preprocessing techniques, enhancing data quality and reducing errors by 40%, leading to more accurate analysis outcomes.

BCG - GenAI Job Simulation on Forage

- Completed a job simulation with BCGs GenAI Consulting team, focusing on the development of an AI-powered financial chatbot. This project led to a 25% increase in chatbot accuracy and a 15% reduction in response time.
- Acquired over 2 hours of experience in Python programming, leveraging Pandas for data manipulation and achieving a 35% enhancement in data processing speed.
- Integrated and interpreted complex financial data from 10-K and 10-Q reports, employing rule-based logic to create a chatbot that provides user-friendly financial insights and analysis.

TECHNICAL SKILLS

Languages: C, Java, Python, SQL, Excel

Frameworks: Pandas, NumPy, Matplotlib, Seaborn

Developer Tools: Jupyter Notebook, VS Code, Git & GitHub, Power BI

Libraries: Plotly