Somakshi Srivastava (Data Analyst)

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Highly motivated and detail-oriented recent graduate with a strong foundation in data analysis, statistics, and programming. Eager to apply analytical and problem-solving skills to extract insights, drive decision-making, and contribute to organizational success.

SKILLS

- Python (NumPy, Pandas, Seaborn, Scikit learn, Matplotlib, Plotly etc)
- Postgre SQL, MySQL, Microsoft SQL Server
- Statistical Analysis – Z test, t-test, ANOVA, Chi-Square etc.
- Tableau, Power BI (DAX, Data Modelling, Data Visualisation), MS Excel (Pivot, Lookups, Charts etc.)

EDUCATION

- MSc Microbiology   Babasaheb Bhimrao Ambedkar University (*2023-2025, 7.9*)
- BSc – Life Sciences   University of Lucknow (*2019-2023, 69.7%*)
- Intermediate   Lucknow Public School (*2017-2019, 88%*)
- Highschool   Lucknow Public School (*2015-2017, 9.8 CGPA*)

INTERNSHIPS/TRAININGS

Online Training: Data and Analytics – *Udemy/Coursera*

- Gained hands-on experience with Python, SQL, PowerBI, Tableau and Excel for data manipulation and analysis.
- Learned data cleaning techniques, exploratory data analysis (EDA), and statistical methods for data interpretation.
- Built projects, including data visualization dashboards in Tableau to solve real-world problems.
- Focused on deriving actionable insights and storytelling through data visualization tools like Power BI and Matplotlib.

Indian Institute of Toxicology – *Research Intern*   Feb 24 – June 24

- Conducted data analysis (EDA) on the presence and impact of microplastics in human biological samples, including blood, tissues, and other fluids.
- Utilized tools like Python and SQL to process and analyze large datasets generated from laboratory experiments and environmental studies and performed statistical analysis to identify correlations between microplastic exposure and potential health effects.
- Identified patterns of microplastic bioaccumulation in specific human tissues and highlighted their potential role in triggering inflammatory responses and created data visualization dashboards using Tableau and Power BI (DAX) to present key findings to the research team.

CERTIFICATIONS/ACHIEVEMENTS

- Hacker Rank (Python) – 5 Star Golden Badge https://www.hackerrank.com/profile/somakshi1
- Python Data Science and Machine Learning Bootcamp – Udemy
- Statistics by Stanford University – Coursera
- SQL Bootcamp – Udemy
- Business Analytics with Excel – Simplilearn
- Analysis using Tableau and PowerBI – Simplilearn

ACADEMICS PROJECTS

- ➢ *Medical Appointment Analysis*
  Link: https://github.com/Somakshi1/medical_appointment
- Developed a web-based Medical Appointment Management System focused on the question of whether or not patients show up for their appointment.
- ➢ *Pharma Sales Analysis*
  Link: https://github.com/Somakshi1/pharma_sales
- Developed a Pharma Sales Analysis Dashboard using Python and PowerBI to process and visualize sales data, identify trends, and generate actionable insights, enabling better decision-making and optimized sales strategies.
- ➢ *E-commerce Trend Analysis*
  Link: https://github.com/Somakshi1/Sql-python_project
- Designed a Python-based project integrating SQL to manage and analyze data efficiently, featuring CRUD operations, data validation, and seamless database connectivity for streamlined data management and decision-making processes.