

Geetika Sood

gtksood@gmail.com | <https://www.linkedin.com/in/geetika-sood-07> | +1 312-522-4908 |

<https://ms-gsood7.github.io/> | Chicago, IL

Professional Summary

Analytical and impact-oriented Data Analyst and Engineer with 5+ years of experience in data integration, ETL, and database management. Adept at working with SQL, Python, and data visualization skills to extract, transform, and analyse complex datasets. Experienced in collaborating with cross-functional teams to implement data solutions that optimize business operations. Passionate about leveraging data to drive decision-making and operational efficiency in the healthcare and financial domains.

Professional Experience

Research Data Engineer

Insight SFI Research Centre, DCU

Dublin, IE

11/2022 - 10/2024

- Built automated pipelines and SQL workflows for large-scale healthcare data, streamlining reporting and reducing data preparation time by 30%.
- Collaborated with healthcare researchers and engineers to define requirements and deliver datasets supporting clinical analytics.
- Developed Tableau dashboards for senior stakeholders, improving clarity around operational metrics and accelerating research decisions.
- Integrated structured and semi-structured datasets into unified formats, supporting national public health monitoring and reporting needs.
- Co-authored grant proposals and secured €2.5M in funding to support innovation in healthcare data infrastructure.

Data Engineer (Technology Analyst)

Infosys Ltd

Bangalore, IN

02/2017 - 09/2021

- Built automated pipelines and SQL workflows for large-scale healthcare data, streamlining reporting and reducing data preparation time by 30%.
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Education

Master of Science | Dublin City University | Dublin, IE

Bachelor of Engineering | Chitkara University | Chandigarh, IN

Key Skills & Technologies

- SQL, PostgreSQL, MySQL, Vector database
 - Relational Database & Datawarehouse concepts
 - Data Integration & ETL (Extract, Transform, Load)
 - Python, Pandas, NumPy & Data Processing
 - Microsoft Excel
 - Data Visualization - Tableau, Looker
 - Agile & Project Management- JIRA, Git
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Key Projects & Achievements

- **Secured €2.5 million in funding** as a contributor and co-author of a research project proposal in the National Challenge Fund (NCF), demonstrating expertise in strategic data-driven solutions.
 - **Recognized as a 'Most Promising Fresher' at Infosys** for outstanding performance in data engineering and analytics.
 - **Selected for Infosys ACON Leadership Program**, receiving Harvard Business Soft Skills and Financial Domain Training.
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Publications & Certifications

- **Exploring Chronic Disease Trends among Adults in the USA: A Statistical Analysis with Visual Insights.**
The study analyses U.S. adult chronic disease trends extracting data from OLTP systems of CDC(U.S.) and forming OLAP system using PostgreSQL for data management and Tableau for visual insights. It reveals rising rates of diabetes and obesity, with significant disparities across demographics. Findings emphasize the need for targeted interventions, preventive care, and informed policies to address growing public health challenges.
 - **Query Based Construction of Chronic Disease Datasets**
It presents a method for building chronic disease datasets using SQL-based querying techniques. Emphasizing automation and accuracy, it showcases skills in SQL, data modelling, and ETL processes, enabling efficient data extraction, integration, and preparation for healthcare analytics and chronic disease trend analysis.
 - **Certifications:** Snowflake Snopro Platform Associate, SQL for Data Science (Coursera), Data Visualization with Tableau (Udemy).
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Additional Information

Authorized to work in the U.S.
