Geetika Sood

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SUMMARY

Self-motivated and an adaptable professional known for my exceptional communication and collaboration abilities. Data Engineer with experience designing and deploying scalable data pipelines, automating ETL workflows across healthcare and public sector domains. Proficient in SQL, Python, and Tableau, with hands-on experience in data modelling, transformation, and cloud data platforms. Passionate about building human centric data platforms.

WORK EXPERIENCE

Research Data Engineer   **Dublin, IE**
Insight SFI Research Centre, Dublin City University   11/2022 - 10/2024

- Created an end-to-end digital data asset for Irish hospital systems by establishing a unified database for patient detail that reduced the data retrieval time by 55% for system users.
- Collaborated with interdisciplinary researchers and healthcare professionals to identify gaps in the system and translate complex healthcare domain requirements into actionable data insights.
- Designed Tableau dashboards, for better view of healthcare status in the country.
- Designed architecture for data ingestion system for the client to adapt to best practices.
- Integrated structured and semi-structured datasets into unified formats, supporting national public health monitoring and reporting needs.
- Contribute to the delivery of the university's teaching by delivering specific skills training in Python programming, SQL, Problem-solving with programming, communication skills, and data visualization.
- Co-authored an academic publication highlighting the time-series analysis of U.S. healthcare data.
- Co-authored grant proposal and secured €2.5M in funding for the project.

Data Engineer- Technology Analyst   **Bangalore, IN**

Infosys Ltd   02/2017 - 09/2021

- Re-engineered and migrated legacy ensuring seamless transition and improved system performance through detailed planning and execution.
- Developed robust data pipelines using Python and Pandas to migrate, transform, and validate data based on complex business logic, ensuring data integrity and alignment with business requirements.
- Involved in rebuilding the online transaction management and connectivity using CICS.
- Automated trigger-based report classification and custom report generation using Python, reducing manual intervention by 50% and enabling business stakeholders to access accurate, timely information for daily operations and decision-making.
- Designed and developed new features which involved business logic rules for the insurance products, fixed bugs and customer issues in the application.
- Key contributor in Agile/Scrum processes to ensure timely feedback and alignment during system migration and POC phases.

KEY SKILLS & TECHNOLOGIES

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

ACHIEVEMENTS

- Secured €2.5 million in funding as a participant and co-author for an Irish Government Healthcare project, demonstrating expertise in strategic data-driven solutions.
- Recognized as a 'Most Promising Fresher' at Infosys
- Selected for Infosys ACON Leadership Program, receiving Harvard Business Soft Skills and Financial Domain Training.

PUBLICATIONS & CERTIFICATIONS

- Exploring Chronic Disease Trends among Adults in the USA: A Statistical Analysis with Visual Insights.
- Query Based Construction of Chronic Disease Datasets
- Certifications: SQL for Data Science (Coursera), Data Visualization with Tableau (Udemy).

EDUCATION

Master of Science | Dublin City University | Dublin, IE

Bachelor of Engineering | Chitkara University | Chandigarh, IN

Additional Information
- Authorized to work in the U.S.
- Can start working ASAP