THEJASWINI THIAGARAJU

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PROFESSIONAL SUMMARY

Experienced Data Scientist with over 3+ years of expertise in delivering end-to-end data solutions, combining advanced data visualization, analytics, and AI-driven insights. Proficient in developing scalable dashboards using Power BI, DAX, and Power Query to support executive decision-making. Skilled in Python, R, and SQL for data wrangling, statistical modelling, and automation of analytical workflows. Demonstrated success in building prototypes and AI models to unlock actionable insights, optimize reporting, and support strategic business initiatives. Adept at collaborating with stakeholders to translate complex data into impactful, data-driven outcomes.

KEY SKILLS

Programming & Scripting	Python (Data wrangling, analysis, ETL scripting), SQL, R
Tools & Platforms	Power BI (including Power Query, DAX, Dataflows, Report Builder), Power Automate, Microsoft Fabric, Tableau
Cloud & Infrastructure	Microsoft Azure (SQL Database), Azure Synapse Analytics, Azure Data Factory
Data & Visualization skills	Data Modelling, Data Transformation, Data Visualization, Dashboard Design, UI/UX for Dashboards, Interactive Reports, Data Aggregation, Dimensional Modelling, Storytelling with Data, Data Mapping
Project Management	Agile methodology, ETL (Extract, Transform, Load), Data Validation, Change Management, Stakeholder Engagement, End-to-End Development, SCRUM framework, Functional Specification Documentation
Data Governance & Security	Data Lifecycle Management, Access Control, Compliance Standards, Report Deployment & Administration

WORK EXPERIENCE

World Vision Australia, Data Scientist   **February 2022 – Present**

- Designed and developed end-to-end data visualization solutions using Power BI, including data modelling, DAX, and Power Query, aligned with business needs and best practices.
- Collaborated with stakeholders to gather and translate business requirements into functional specifications, ensuring strategic alignment and value delivery.
- Applied data visualization and UI/UX standards to create interactive dashboards that support executive decision-making and self-service analytics.
- Optimized report performance, usability, and scalability by implementing efficient data models and leveraging advanced Power BI features.
- Managed structured and unstructured data from internal systems and external sources (e.g., WHO, UN Statistics), ensuring data integrity and readiness for analysis.
- Developed prototypes for statistical analysis and data models using R and Python, scaling successful approaches to broader use cases.
- Conducted advanced data validation and transformation using SQL, Excel, R, and Power BI, ensuring high data quality and reliability.
- Ensured data security and compliance through role-based access control and governed deployment practices.
- Provided mentoring and technical guidance to analysts, promoting best practices and building team capability in data visualization and reporting.
- Participated in agile processes to deliver reporting solutions efficiently and iteratively.

WORK-RELATED PROJECTS

Reach Data Analysis, World Vision Australia:

- Gathered and compiled data from multiple departments to assess the impact of the organization's projects over the previous financial year.
- Conducted data review and validation by checking for errors, performing sense checks, and cross-verifying with multiple sources and supporting documents.
- Built an interactive dashboard to visualize and present key data, creating a comprehensive report shared across the organization.
- Analyzed data trends and provided insights by comparing metrics, explaining increases or decreases.
- Produced a detailed report that guided top management in strategizing programming for the following financial year.
- Contributed to campaigns highlighting the organization's project impacts, resulting in a 2% increase in sponsorships for the next financial year (approximately AUD$ 240K or 5,000 additional children sponsored).
- This project played a key role in the annual report, highlighting data-driven impact, which was published on the organization's official website and has become a recurring request for every financial year.

Sponsorship commitment cancellation analysis, World Vision Australia:

- Analyzed internal data for sponsorship commitment cancellation by various supporters.
- Developed dashboard using power bi for the business to track the cancellation monthly along with the reason of commitment cancellation which aided the business in making important strategic decisions to reduce the retention percentage.
- Performed many one-off analyses to further help understand the high percentage retention and going deep into the reasons for the cause of it and alerting the necessary business unit to take actions.

Location check automation using reverse geocoding, World Vision Australia:

- Reverse geocoding was used to convert latitude and longitude coordinates into readable addresses, ensuring plotted locations on the PowerBI Bing Map aligned with the data. Despite this, occasional inaccuracies due to data inconsistencies or geocoding limitations required further correction.
- Regular monitoring of plotted locations identified discrepancies, leading to manual updates of latitude and longitude in the dataset. After making corrections, the data in PowerBI was refreshed to reflect the accurate map visualization.
- To meet deadlines, a schedule for reviewing and updating locations was established. Ongoing evaluation of the reverse geocoding process and data accuracy was essential for minimizing errors and improving data visualization and data accuracy.

EDUCATION

Monash University, Clayton, VIC, Master of Data Science   **December 2021**
Coursework: Applied Data Analysis, Machine Learning, Data Management, Data Visualization, Data Wrangling, Statistical Data Modelling, Business Information Systems

Sri Venkateswara College of Engineering, Chennai, Bachelor of Information Technology   **May 2019**
Coursework: Introduction to Databases, Programming in Python and Java, Data Structures & Algorithms, Statistical Analysis, Web Development

VOLUNTEERING

- **Hammond Care – Aged Care: Help elder people in reading and provide companionship. Feb 2021 – Dec 2021**
- **Monash Student Association (MSA): Organizing and managing events held at university Sep 2020 – Nov 2021**