

ELANGO V

Data Analyst

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PROFESSIONAL SUMMARY

Data Analyst with 1+ year of experience delivering end-to-end data solutions across analytics, data modelling, and business intelligence. Strong expertise in SQL, Python, and Power BI for data analysis, validation, and dashboarding. Proven experience in ETL, data migration, and building scalable analytical datasets using dimensional modelling. Experienced in collaborating with cross-functional teams in Agile environments. Currently expanding expertise in Azure, PySpark, and Databricks.

TECHNICAL SKILLS

BI & Visualization: Power BI (DAX, Data Modelling, Power Query), Tableau, Pyramid Analytics

Databases & Query: SQL Server, MySQL, SQL (DDL, DML, Joins, Subqueries, CTEs, Window Functions)

Data Tools: Excel (Advanced Formulas, Pivot Tables), Power Query, Python (Pandas, NumPy, Matplotlib), Databricks (Pipeline Building, Dashboard Creation), ETL.

Core Competencies: Data Validation, Data Cleansing, Data Mapping, ER Diagrams, KPI Reporting, BPI, Reporting Automation, Stakeholder Collaboration, Workflow Automation, Azure (Basics), GCP (Basics), PySpark (Basic), Agile, JIRA.

PROFESSIONAL EXPERIENCE

BI & Data Analyst | Binary Waves Solutions | Vadapalani, Chennai

Nov 2024 – Present

Power BI Dashboard Development

- Designed interactive Power BI dashboards for manufacturing and inventory clients, improving operational visibility by 30%.
- Built scalable data models and implemented DAX measures to support dynamic reporting and business decision-making.
- Automated data transformation and reporting workflows using Power Query and Python, reducing manual effort and improving efficiency.
- Performed data validation and integrity checks using SQL to ensure accuracy and consistency across reporting systems.
- Migrated enterprise dashboards from Pyramid Analytics to Power BI, improving usability and performance.
- Developed role-based access control (RBAC) in Power BI to ensure secure, team-level data access.
- Collaborated with business stakeholders to gather reporting requirements and translate them into technical solutions.
- Automated manual reporting workflows via Power Query, reducing reporting time and improving data accuracy.

ERP to WordPress Data Migration (SQL Server to MySQL)

- Performed end-to-end data mapping from SQL Server (ERP) to MySQL (WordPress), designing source-to-destination mapping documents and ER diagrams.
- Built custom MySQL tables to support legacy ERP structures unsupported by native WordPress schema.
- Executed structured data validation checks (completeness, accuracy, consistency) post-migration using SQL queries.
- Coordinated between stakeholders and IT/migration teams to gather requirements and resolve migration issues.

Data Analyst Intern | Ingage Technologies | Chennai

Jan 2024 – Apr 2024

- Developed KPI dashboards in Looker Studio for the Naan Mudhalvan initiative, analyzing performance data for 50,000+ students across 200 colleges.
- Reduced reporting time by 40% through Excel-based data cleaning, transformation, and automation workflows.
- Delivered interactive dashboards enabling stakeholders to identify trends and optimize program resource allocation.

KEY PROJECTS

Manufacturing Operations Dashboard (Power BI)

- Built KPI-driven dashboards tracking production metrics and defect analysis.
- Integrated multiple data sources using Power Query and enabled real-time monitoring of operational performance.

Employee Resource Allocation Dashboard

- Analyzed workforce utilization and project allocation trends.
- Improved resource planning efficiency by 10%.

Automated Data Pipeline using Python & SQL

- Built a Python-based pipeline using Pandas to extract, clean, and transform raw data.
- Automated data loading into SQL database.
- Reduced manual reporting effort and improved data processing efficiency.

EDUCATION

B.E. – Computer Science Engineering

GPA: 8.55 / 10

Mohamed Sathak AJ College of Engineering | 2020 – 2024

CERTIFICATIONS

- [Databricks Fundamentals](#) – Databricks
- [Level 3 Solution Design](#) – Pyramid Analytics
- [Power BI Data Modelling with DAX](#) – LinkedIn Learning
- [Advanced SQL Project: Design and Manage a Database](#) – LinkedIn Learning
- [Python for Data Science, AI & Development](#) – Coursera
- [Data Analysis with Python](#) – Coursera
- [Database and SQL for Data Science with Python](#) – Coursera
- [Python Project for Data Science](#) – Coursera

ACHIEVEMENTS

Web Designing Competition Winner – MNM Jain Engineering College

- Collaborated with a teammate to design and recreate the TripAdvisor homepage, focusing on UI/UX accuracy and responsiveness; secured 1st place among competing teams.

Finalist – IIT Madras Hackathon

- Selected as one of the top 10 finalist teams out of 119+ participants, competing alongside industry-level teams and IT professionals, demonstrating strong problem-solving and technical skills.