Abishek Thapa

Data Analyst | Python, SQL, Power BI, Excel

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PROFESSIONAL PROJECT

South East Queensland Public Transport Analysis (link)
- Extracted, cleaned, and ingested millions+ rows of GTFS data into PostgreSQL using Python, pandas, and SQL Alchemy.
- Identified and rectified more than 5K data inconsistencies, resulting in a 20% improvement in overall data accuracy.
- Created clear visualizations with matplotlib and seaborn to support transport planning decisions.
- Performed EDA to uncover 18 service clusters, 18% route coverage gaps, and scheduling inefficiencies.
- Built visualizations in Power BI dashboard, matplotlib, and seaborn to support data-driven transport planning decisions.

Yelp Dataset ETL and Analysis (link)
- Designed a normalized schema for 6M+ reviews and 200K businesses, reducing query time by 30%.
- Automated data cleaning with Python and pandas, standardizing 1M+ entries and achieving 98% consistency.
- Conducted comprehensive analytical queries to identify top-rated businesses with reviews above 4.5 across key regions.

Queensland Road Crash Analysis (link)
- Built a data ingestion pipeline for 150K+ crash records using pandas, ensuring full dataset coverage.
- Cleaned and validated key variables, reducing inconsistencies by 30% and improving trend accuracy.
- Created interactive visualizations with folium, seaborn, and matplotlib to identify 5K+ crash clusters.

Airbnb Market Analysis (link)
- Engineered an end-to-end ETL pipeline using Python & SQL to process millions of Airbnb records into PostgreSQL.
- identified profitability drivers, revealing top hosts have a 2x higher Instant Book rate, not higher prices.
- Developed visualizations with Matplotlib, Seaborn & Folium, highlighting that top neighbourhoods exceed $500 in daily revenue and demand fluctuates over 100% seasonally.
- Quantified that "Luxury" pricing causes a >25% occupancy drop, yielding lower daily revenue than competitively priced "Premium" listings.

ACADEMIC PROJECT

MedAuth System Design
- Designed system architecture with flowcharts and MySQL to improve authentication and reduce errors
- Implemented MySQL logic to detect fraud and unauthentic drugs, enhancing system reliability

Maxibor Prototype Solution
- Designed and presented a scalable system prototype, securing stakeholder approval and enabling projected efficiency gains

EDUCATION

Torrens University, Brisbane Campus	**Brisbane, Queensland**
Master of Business Information System	*Sep 2025*
Kantipur College of Management & IT	**Kathmandu, Nepal**
Bachelor in Business Administration	*Sep 2018*

SKILLS

Technical Skills: Python (pandas, matplotlib, seaborn), SQL (PostgreSQL), Power BI, Microsoft Excel, SQL Alchemy, Data Modelling, JSON Data Handling, GitHub

Soft Skills: Agile, Scrum, KPIs, Problem solving, Communication, Attention to Detail, Time Management and Task Prioritization, Continuous Learning