PRIYA MADABAL

Melbourne, Victoria | +61 466267632| priyamadabal1@gmail.com |
https://www.linkedin.com/in/priya-madabal-7b917b204/

Work Rights: Full-time work rights under **Temporary Graduate Visa (485), valid until February 2028**
Location: Based in Melbourne, open to relocation across Australia.

Results-driven **Data & Cloud Engineer** with **almost 3 years of experience** in **database management, analytics, and cloud solutions**. Proficient in **SQL, Azure, Python, Power BI, and machine learning**, specializing in **data visualization, predictive analytics, and cloud database administration**. Successfully migrated **50+ databases** to Azure, reducing downtime by **40%** and enhancing data processing speed by **30%**. Passionate about leveraging **data-driven strategies** to drive business insights and operational efficiency.

Education and Qualification

RMIT University, Melbourne, Australia   **2023-2024**
Master of Science (M.S) in **Analytics**

KLEMSSCET, Belgaum, India   **2015-2019**
Bachelor of Engineering (B.E) in **Telecommunications**

Skills

Programming	SQL|R|SAS|Python
Data Visualization and BI	Power BI|Tableau|Excel
Cloud & Database Management	Azure SQL|AWS|Database Administration|ETL|HADR
Machine Learning & Forecasting.	ARIMA|Decision Trees|Neural Networks
Business Intelligence & Reporting	KPI Dashboards|Data Storytelling| BI Reports
Big Data & Automation	Data Pipelines| R-Shiny| SQL Query Optimization

Employment History

LTIMindtree, Bengaluru – India
Cloud & Data Engineer (Azure & SQL) | Sept 2019 - July 2022

- **Migrated 50+ on-prem SQL databases** to Azure SQL using **Lift & Shift, Backup & Restore, and Replication-Based Migration**, reducing **downtime by 40%** and improving **query execution speed by 30%**.
- **Enhanced SQL query performance** for datasets **exceeding 1TB**, reducing **report execution time by 40%** and improving **reporting accuracy by 25%** for business insights.
- Implemented and managed **Always-On High Availability solutions**, ensuring **99.9% database uptime** and **seamless disaster recovery**.
- **Configured and monitored Always-On Availability Groups**, ensuring **99.9% uptime** and **eliminating single points of failure** for seamless disaster recovery.
- **Led cloud migration projects**, coordinating with **cross-functional teams** to **reduce downtime by 35%**, optimize **Azure SQL deployment**, and ensure **efficient data transfer**.

Skills Used: SQL | Database management | Azure SQL Database Administration| HADR | Azure Cloud Services| Project Coordination

Integrated Travel Research & Development (ITRD), Melbourne – Australia
Data Analyst (Python & Power BI) June 2024 – Dec 2024

- Conducted independent research and data analysis for the *Data Analysis for Transportation Equity in Australia* study, assessing the impact of passenger rail infrastructure on rural and Indigenous communities**.**
- Utilized **Python, R Studio, Microsoft Excel and Power BI** to analyse public datasets from the Bureau of Infrastructure and Transport Research Economics (BITRE)**,** identifying key trends in transport investment and public transit usage.
- Developed ARIMA forecasting models to predict public transport patronage, vehicle usage, and freight movements**,** providing valuable insights for policymakers and researchers in North America.
- Created interactive visualizations and dashboards**,** ensuring clear communication of findings and contributing to future university research studies beginning in April 2025.

Skills Used: R programming| MS Excel | Python | R-Shiny | Power BI | Team Research | Stakeholder Engagement

Academic Projects

- **Forecasting Public Transport Demand** *(R, Python, Power BI)* – Developed ARIMA models to predict passenger trends, enhancing scheduling accuracy by **20%**.
- **Retail Database Management System** *(SQL, SQLite)* – Designed and optimized a relational database for inventory tracking, reducing data retrieval time by **35%**.
- **Melbourne Real Estate Market Analysis** *(R, Tableau, Excel)* – Applied predictive analytics and data visualization to identify housing price trends.
- **Cervical Cancer Detection Model** *(Python, Jupyter, ML)* – Built ML models (KNN, Decision Trees, Neural Networks), improving prediction accuracy by **15%**.
- **Drug Discovery & Statistical Computing** *(SAS, PCA, Discriminant Analysis)* – Conducted bioinformatics research to optimize drug effectiveness in early-stage analysis.

Certifications

- SAS® Graduate joint certificate program curriculum in Advanced Analytics - *Issued by RMIT University & SAS Institute, 2024*
- SAS - RMIT Academic Specialisation in Advanced Analytics *Issued by RMIT University & SAS Institute, 2024*
- Google Data Analytics Certificate - *Issued by Google, 2023*
- Microsoft Certified: Azure Fundamentals - *Issued by Microsoft, 2023*
- MySQL for Data Analytics and Business Intelligence - *Issued by Udemy, 2023*