**PRIYA MADABAL**

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**Work Rights:** Full-time work rights under **Temporary Graduate Visa (485), valid until February 2028**

**Location:** Based in Melbourne, open to relocation across Australia.



**Data Analyst & Cloud Engineer** with **almost 3 years of experience** in **database management, data analytics , and cloud solutions**. Proficient in **SQL, Azure, Excel, Python, Power BI, and machine learning**, specializing in **data visualization, predictive analytics, and cloud database administration**. Proven ability to meet goals and deadlines with an excellent attention to detail.

**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 Key performance indicators|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 – Dec2024

* 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 Management | Analytical skills*

**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, 2022*
* Microsoft Certified: Azure Fundamentals - *Issued by Microsoft, 2022*
* MySQL for Data Analytics and Business Intelligence - *Issued by Udemy, 2022*