Eashwar Subramanian

Healthcare AI Specialist | TGA-Compliant Systems | Australian Market Focus

Subclass 500 | eashwars2001@gmail.com | +61 450 332 782 | **LinkedIn:** linkedin.com/in/eashwar-s-02461a1b3 | **GitHub:** github.com/Eashwar-Subramanian

PROFESSIONAL EXPERIENCE

Data Science Intern   July 2025 – Present
Solara Health   Melbourne, Australia

- Implementing TGA-compliant RAG pipelines for healthcare chatbots with crisis escalation protocols
- Built comprehensive test suites (Pytest + FastAPI) covering API routing and disclaimer enforcement
- Designed patient query classification system for treatment, logistics, and support categories
- Delivered traceable AI outputs with citations improving stakeholder trust and regulatory auditability

Data Analyst Intern   Dec 2023 – Feb 2024
PrepInsta Pvt Ltd (Remote)   India

- Delivered 5+ stakeholder dashboards (Tableau, Excel) increasing client engagement by 10%
- Optimized SQL query performance reducing data retrieval time by 25% for executive reporting
- Automated reporting workflows with Python (Beautiful Soup) cutting manual effort by 30%

STRATEGIC PROJECTS

Australian Retail Customer Segmentation | June 2025
- Identified high-value customer segment representing 15% of total revenue through K-Means clustering
- Corrected 72.5% invalid order IDs in 5,000-transaction dataset enabling accurate RFM analysis

Climate Policy Forecasting Dashboard | July – Sept 2024
- Built SARIMA forecasting system achieving 1.2°C MAE for Australian government climate decisions
- Integrated Flask web app with interactive Folium mapping for urban planning stakeholder support

Sales Analytics Dashboard (Power BI) | Feb – March 2024
- Analyzed 4-year sales history identifying regions with 7% revenue uplift potential
- Implemented MySQL ETL pipeline enabling automated stakeholder reporting

TECHNICAL EXPERTISE

Languages: Python, SQL, R, Java

Cloud/DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD, Git

ML/Analytics: Scikit-learn, RFM Analysis, K-Means, SARIMA, NLP (RAG)

Databases: MySQL, DynamoDB, SQL Server

Visualization: Power BI, Tableau, Folium, Matplotlib

Frameworks: Flask, FastAPI, Pytest, Pandas, NumPy

EDUCATION

Master of Data Science
Royal Melbourne Institute of Technology (RMIT)
GPA: 3.4/4.0 | Expected Dec 2025 | Melbourne, Australia

Bachelor of Electronics & Communication Engineering
Rajagiri School of Engineering and Technology
First Class Distinction (8.8/10) | Aug 2023 | Kerala, India

PROFESSIONAL DEVELOPMENT

Data Science Melbourne Meetup - Active Member   June 2024 – Present
Networking with 50+ analytics professionals | ML trends, Power BI, Python applications

In Progress: Microsoft Azure Data Fundamentals (DP-900) • Azure AI Fundamentals (AI-900)

Relevant Coursework: Machine Learning • Big Data Processing • Cloud Computing • Advanced Programming • Computer Vision • Probability & Random Processes

ADDITIONAL PROJECTS

Cloud Music Subscription Platform: Full-stack AWS application (EC2, S3, DynamoDB, Lambda) with Java servlets and Apache2 reverse proxy configuration
E-Commerce Logistics Analysis (R): Shipping performance optimization identifying delivery efficiency factors across 10,999+ transactions
Real Estate Data Pipeline (MySQL): Comprehensive data quality improvement system with address parsing, duplicate removal, and schema optimization