

# BOLAT TULEKOV

## Data & AI Solutions Engineer

Sydney, Australia | 0408 275 560 | bolat\_t@outlook.com

[LinkedIn Profile](#) | [Portfolio](#)

**Professional Summary:** Results-oriented Solutions Engineer & Data Professional with a unique blend of technical expertise (Lakehouse Architecture, AI Agents, Python) and client-facing consulting experience. Proven track record of designing scalable data platforms (Azure Fabric, Synapse) and identifying business value (\$2.3M+ revenue impact) for stakeholders. Passionate about empowering enterprises to democratise their data and AI using modern architectures.

## PROFESSIONAL EXPERIENCE

### Data Analyst (Data & AI) | Redlands

January 2024 - Present

- Enterprise AI Solutions:** Spearheaded the design and development of custom AI Agents using **Microsoft Copilot Studio**, automating internal workflows and enhancing cross-functional productivity for non-technical teams.
- Modern Data Architecture:** Orchestrated a strategic migration to **Microsoft Fabric**, utilising Spark Notebooks to unify siloed data streams and reduce reporting latency by **30%**.
- Business Process Automation:** Designed and implemented end-to-end business automation workflows leveraging **Power Automate**, streamlining critical reporting processes and improving operational efficiency by **35%**.
- Decision Intelligence:** Optimised reporting pipelines by integrating SQL and API-sourced data into Power BI, cutting manual analysis time by **40%**.

### Data Analyst Intern | Sylk

September 2023 - December 2023

- Stakeholder Consulting:** Collaborated cross-functionally with engineering and product stakeholders to translate technical data into actionable business insights.
- Impact Analysis:** Identified under-performing user segments via behavioural analysis, guiding product interventions that contributed to a **25% uplift in online sales** and **10% increase in lead conversions**.
- Visual Storytelling:** Developed visually impactful dashboards in Tableau to transform raw user logs into accessible metrics for executive and engineering teams.

### Freelance AI & Data Consultant | Local Businesses

June 2023 - September 2023

- Solution Delivery:** Deployed a custom Large Language Model (LLM) Chatbot API with Zapier integrations, enabling small businesses to train staff on custom internal datasets.
- Value Engineering:** Analysed client operational metrics to identify cost-saving opportunities, delivering data-driven strategies that confirmed a **10% reduction in operational overhead**.

## FEATURED TECHNICAL PROJECTS

### DemandAI: Sales Data Platform (Portfolio Project)

- Architecture:** Architected a **Medallion Lakehouse** pipeline (Bronze/Silver/Gold) handling 10GB+ daily sales logs, mirroring best-practice enterprise architecture.
- Engineering:** Implemented "Gold Layer" aggregations using **PySpark** Window functions to resolve data inconsistencies and establish a single source of truth for forecasting.

### SmartChurn: Customer Retention AI (Portfolio Project)

- **Impact:** Built a comprehensive retention system predicting user churn with **90% recall**, identifying **\$2.3M in annual at-risk revenue**.
- **Deployment:** Deployed explainable AI models (XGBoost/SHAP) via Streamlit to empower Customer Success agents with actionable insights.

## EDUCATION

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### Bachelor of Computing Science (Honours) | UTS

Feb 2019 - Dec 2023

Major: AI & Data Analytics | GPA: 6.0 / 7.0 | **Projects:** Fake User Detection (30% accuracy lift), Coral Bleaching (YOLOv7).

## TECHNICAL SKILLS

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**Data Engineering:** Microsoft Fabric, Azure Synapse, Spark (PySpark), Power Automate, SQL Server.

**AI & Agents:** Microsoft Copilot Studio, OpenAI API, LangChain, MLflow, PyTorch, TensorFlow.

**Visualisation & Languages:** Power BI, Tableau, Python, SQL, DAX, R, MATLAB.