KEY SKILLS

- Python (Pandas, NumPy, Matplotlib)
- SQL (PostgreSQL, SQLite)
- Data Cleaning & EDA
- Power BI & Tableau
- Statistical Analysis
- Machine Learning (Scikit-Learn)
- Data Visualisation & Storytelling
- Advanced Microsoft Excel
- AWS (S3, Glue, Athena, Lambda, API Gateway, EventBridge, IAM, SageMaker)
- Amazon SageMaker (Model Training & Deployment)
- React / Vite / Tailwind CSS

CERTIFICATIONS

AWS Academy – ML Foundations

Cisco – Cybersecurity Essentials

Python for Data Science, AI & Development – Coursera (IBM)

EDUCATION

Master of Data Science
RMIT University, Melbourne
July 2026 – June 2028 (Expected)

BTech, Artificial Intelligence
Bennett University
Graduated 2024

INTERESTS

- Data storytelling & analytics
- EV & sustainability technology
- Cloud data engineering

REFERENCES

Available upon request

PRANJAY GULERIA

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linkedin.com/in/pranjay19 | Portfolio

SUMMARY

Aspiring Data Analyst pursuing a Master of Data Science at RMIT University, Melbourne, with hands-on project experience spanning data cleaning, EDA, statistical analysis, machine learning, cloud data engineering and dashboard development. Proficient in Python, SQL, AWS (including SageMaker) and Power BI/Tableau, with practical exposure to real-world fintech and property datasets through independent projects and job simulations with BCG and Deloitte Australia.

JOB SIMULATIONS & CERTIFICATIONS

BCG Data for Decision Makers Job Simulation | *Forage · June 2026*

- Analysed customer conversion trends using simulated data to assess multi-channel ad campaign effectiveness
- Synthesised insights into a clear, data-backed recommendation tailored to the client's marketing goals

Deloitte Australia Data Analytics Job Simulation | *Forage · June 2026*

- Covered data analysis and forensic technology; built a data dashboard using Tableau to surface key findings
- Used Excel to classify data and draw business conclusions

DATA ANALYST PROJECTS

Event-Driven AWS Data Pipeline for Melbourne Housing Analytics | *AWS, Python, React, Vite, Tailwind CSS*

- Built an end-to-end, event-driven data pipeline: S3 (Bronze) → EventBridge → AWS Glue → S3 (Silver) → S3 (Gold) → Athena → Lambda → API Gateway → React dashboard
- Designed a Bronze/Silver/Gold S3 data lake and configured EventBridge so uploading a CSV automatically triggers the Glue ETL workflow
- Built and orchestrated Glue ETL jobs for schema standardisation, Parquet conversion and suburb-level aggregations, then created Athena external tables for SQL-based analytics
- Developed a Python serverless backend on Lambda, exposed via API Gateway, and configured IAM roles for secure inter-service communication
- Delivered a React 18 analytics dashboard (Vite, Tailwind CSS, Recharts, Framer Motion) consuming the API, moving the project from a manually triggered ETL process to a fully event-driven architecture

Melbourne Housing & Rental Affordability Index | *Python, SQLite3, Regex, CRISP-DM*

- Identified low-cost, CBD-proximate suburbs for international students from 18,500+ scraped listings, after a PII privacy audit
- Normalised data into a 3-table relational schema and used Regex to clean corrupted currency fields
- Wrote SQL (LEFT JOIN, GROUP BY, HAVING) to isolate statistically reliable, affordable suburb clusters
- Visualised suburb-level rent-vs-distance trends using Matplotlib and Seaborn, following the CRISP-DM methodology end-to-end

Real-Time Credit Card Fraud Detection Engine | *Python, FastAPI, Streamlit, MLflow, Docker*

- Built a fraud classifier for 284,807 transactions with extreme class imbalance (0.172% fraud), using SMOTE + Random Forest
- Tracked experiments in MLflow and deployed a containerised FastAPI + Streamlit microservice via Docker Compose
- Preprocessed Time and Amount features with RobustScaler and benchmarked against a Logistic Regression baseline before final model selection
- Delivered a live public demo with a 30-feature prediction form, documented through a phased MLOps roadmap from EDA to deployment