

Buya Batu

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Professional Summary

Resourceful and versatile data engineer with experience in data analytics in telecommunication industry and strong interpersonal skills, seeking the next opportunity to solve overhead data challenges in a dynamic, fast paced, and collaborative environment.

Professional Experience

Data Analyst - DDish TV LLC, Ulaanbaatar **Sep 2020 - Aug 2022**

- Optimized and maintained SQL query jobs to decrease query run time by 34% on OLAP database handling over 1 million daily transactions from 300,000+ daily active users.
- Built real-time dashboards on Splunk Enterprise to support stakeholders and cut down ad-hoc and manual reporting tasks by 50%.
- Designed, automated and maintained batch ETL pipelines using PL/SQL, SPL, and Splunk to handle OLTP to OLAP workflows.
- Conducted A/B testing to measure effectiveness of marketing campaigns. Increased promotion hit rate by 4.5% by segmenting customers based on their usage behavior.
- Deployed a churn prediction model using Logistic Regression model using Python to reduce customer churn rate by 2.3%.

Technologies used: Oracle SQL, MS Excel, Splunk Enterprise, Python, Git.

Intern - National Statistics Office, Ulaanbaatar **Feb 2019 - Apr 2019**

- Validated, cleaned and transformed survey data for 2018 National Statistics using Excel and R

Technical Skills

Programming Languages: SQL, Python, R, C++, UNIX, PL/SQL, SP, CSS, HTML, JavaScript

Database Systems: Oracle SQL, PostgreSQL, Azure SQL, MongoDB, Neo4j, Delta Lake, S3

Data Processing Tools: Apache Spark, Airflow, Azure, AWS, Databricks

Visualization and Environment: Splunk, Tableau, Docker, Git

Education

Master of Data Science and Innovation **Feb 2024 - Dec 2025**

University of Technology Sydney (UTS)

GPA: 6.33/7

Coursework: Data Visualization and Narratives, Big Data Engineering, Python Programming, Machine Learning

Bachelor of Science in Economics **Sep 2014 - Jun 2019**

National University of Mongolia

Certifications

Azure Data Fundamentals **Jul 2024**

Microsoft

Databricks Fundamentals **Jan 2025**

Databricks

Hackathons

UNI HACK 2025 **Mar 2025**

- Developed “**Mind Capsule**”, an event logging web application dedicated to increase emotional intelligence and awareness. Used JavaScript, Express and MongoDB for the back end and CSS and HTML for the front-end.

Project link: <https://devpost.com/software/sirius>

SYNCS HACK 2024 - Best Technical Feature **Aug 2024**

- Won the Best Technical Feature by developing “**HobbyQuest**”, automated hobby event hosting system utilizing K-Means clustering algorithm. Used Python, Flask, HTML and CSS.

Project link: <https://devpost.com/software/hobbyquest>

- Developed a prototype for a web application using Figma.

Volunteering & Membership

Member - Machine Learning Ulaanbaatar (MLUB)**Jul 2021 – Jul 2023**

Community of data specialists with purpose of promoting Machine Learning (ML), Artificial Intelligence (AI) and data science in Ulaanbaatar, Mongolia

- Assisted in hosting community events – “Kaggle Days” and research paper discussion sessions.
- Validated and prepared dataset for "Ger detection", satellite image processing competition organized by club.

Alumni – Bookbridge**Jun 2014 - May 2019**

- Guided secondary and high school students in improving their English, communication, and social skills through interactive learning and mentorship.
- Worked alongside alumni and peers to host and organize various student-focused community events, fostering a sense of engagement and networking.

References

Jared Wong

Lecturer, UTS

ChinYeow.Wong@uts.edu.au**Dr Mir Kabir**

Lecturer, UTS

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CEO, Top Motors LLC (Former CSO at DdishTV)

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