

ANKESH BABAL

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<https://www.linkedin.com> [Portfolio Website](#)

Career Objective

I am an AI and data-focused professional with a Master's in Analytics from AUT. I have hands-on experience building machine learning and LLM-based solutions, including data pipelines and API-based systems. During my internship, I worked on a real-world project where I developed an end-to-end LLM solution to support decision-making using large datasets.

I enjoy working on practical AI problems, building scalable solutions, and learning how to move models from development into real-world use. I am now looking for a role where I can grow as an AI engineer and contribute to building production-ready AI systems.

Skills

- **AI & Machine Learning:** Python (Pandas, NumPy), Machine Learning, LLMs (Gemini, API-based), Generative AI, model evaluation, inference workflows
- **Data Engineering & Pipelines:** SQL, data pipelines, feature engineering, data processing, workflow automation
- **Analytics & Visualisation:** Power BI, DAX, Excel, Tableau (basic), dashboard development
- **Cloud & Platforms:** AWS (Cloud Practitioner), GCP (Big Query, Storage), Azure (Data Lake, Data Factory)
- **Business Understanding:** Sales, finance, operations, customer behaviour analysis
- **Reporting & Controls:** Data validation, reconciliation, accuracy checks, exception handling
- **Communication:** Clear reporting, issue escalation, cross-functional collaboration

Professional Experience

DEALTABLE.AI | Industrial Internship | July 2025 - October 2025

Fine-Tuning LLM for VC Investment Decision-Making

- Built an end-to-end LLM-based pipeline to support venture capital investment decision-making
- Processed and structured 10K+ documents to support data-driven evaluation
- Designed a scoring and evaluation framework to assess model outputs and identify high-risk cases
- Developed an API-based system to deliver real-time decision support
- Worked on retrieval-based AI workflows (RAG) using document processing and structured inputs
- Improved consistency and speed of decision-making through structured AI outputs

BP CONNECT LINCOLN | Office Administrator/CSR | June 2024 - Continue

Responsibilities/Deliverables:

- Maintained financial records and assembled inventory reports to support efficiency.
- Reviewed daily financial records and transaction data to ensure accuracy before processing.
- Identified discrepancies and escalated exceptions to support operational controls and settlements.
- Coordinated daily operations and fortified office procedures.
- Computed procurement metrics and provided insights to optimise stock management.

ATLIQ TECHNOLOGIES | Data Analyst Intern | Dec'22 - May'23

Responsibilities/Deliverables:

- Designed and built Power BI dashboards for monitoring trends, anomalies, and performance risks.
- Automated and debugged data-cleaning workflows, reducing manual effort.
- Standardised business intelligence reporting, reducing processing time by 20%.

Projects

End-to-End Transit Analytics & AI-Ready Data Engineering Pipeline

- Built a complete transit analytics pipeline using Python and Streamlit to process GTFS static and simulated real-time trip update data for headway, delay, reliability, and bunching insights.
- Developed a multi-page dashboard (Headways, Delays, Reliability, Heatmaps, Route Comparison, Performance Score) enabling route- and stop-level operational analysis.
- Engineered data cleaning, feature creation, KPI generation, and exportable Gold-layer datasets for BI and reporting use.
- Designed the cloud expansion plan using Azure Data Lake, Data Factory, and Databricks for automated ingestion, scalable processing, and ML-ready datasets.

Commercial Cleaning Profit Optimization (OCS)

- Developed an optimization model using **Mixed-Integer Linear Programming (MILP)** to improve routing efficiency for cleaning teams
- Identified and resolved **data integration issues** to ensure consistent and reliable input for the model
- Performed **system testing and debugging** to validate model outputs and ensure smooth implementation
- Improved operational efficiency by supporting better resource allocation and route planning

Business & Financial Reporting - Power BI (Hardware Company)

- Built an interactive dashboard covering Finance, Sales, Marketing, Supply Chain, and Executive views.
- Connected MySQL data, applied Snowflake data modelling, and designed visuals using DAX.
- Published reports to Power BI Service with auto-refresh setup and managed user access.
- Optimised performance using DAX Studio and implemented KPI indicators and bookmarks.

Education

Auckland University of Technology, Auckland.

Master's in Analytics (July 2024 - Nov 2025)

Pune University, Maharashtra, India.

Bachelor of Engineering, Information Technology (2023)

Certificates

- AWS Certified Cloud Practitioner
- Microsoft Power BI Data Analyst Associate
- SQL for Data Science
- Python: Beginner to Advanced for Data Professionals