

# UTKARSH PATHAK

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## EXPERIENCE

### Featured (Terkel Inc.)

Scottsdale, Arizona

#### Software Engineer Intern – Data Science

July 2025 – September 2025

- Implemented a content-based recommendation engine to rank expert profiles against news articles, utilizing text embeddings and cosine similarity to enhance the accuracy of expert matching.
- Developed a Slack integration that pushed curated opportunities directly to user workspaces 3x daily, creating a new, high-engagement distribution channel for the platform.
- Partnered with cross-functional engineering and product teams on key initiatives, contributing directly to the improvement of the platform's data infrastructure and third-party API connectivity.

### University of Arizona

Phoenix, Arizona

#### Student Worker, Planning & Operations

October 2024 – May 2025

- Engineered a comprehensive KPI framework supported by an advanced data warehouse, yielding critical insights that drove a 15% reduction in excess inventory and enhanced supply chain efficiency.
- Established a robust data quality and governance framework using advanced statistical modeling and anomaly detection, ensuring high-fidelity reporting for strategic planning.
- Translated complex operational datasets into clear, actionable insights, serving as a trusted advisor to leadership and guiding high-priority operational improvement initiatives.

### Deloitte Consulting

Hyderabad, India

#### Analyst, AI & Data Engineering Practice

January 2021 – August 2024

- Guided Fortune 100 executives in architecting data modernization strategies, driving the enterprise adoption of Azure Databricks for critical systems.
- Designed, Developed and Deployed real-time data pipelines integrating Oracle, SAP, and payment APIs (stripe), that boosted insights into cashflow and powered advanced executive reporting in Power BI.
- Spearheaded the replacement of legacy ETL with modern Spark architecture, leading complex data cloud migrations using AWS services (Databricks, S3, Airflow) to cut report latency by 40%.
- Partnered with Product, Risk, and Finance leaders to define operational KPIs and embed analytics into workflows, leveraging a 99.9% uptime.

## PROJECT

### Consulting - Home Insurance Company | Python, Tableau, Gen. AI

- Developed comprehensive data warehouse solution that integrated FEMA, NOAA, Census, and Redfin APIs through ELT processes, reducing critical market analysis turnaround time from five days to two days
- Built interactive operational reporting dashboards using advanced data modeling techniques and statistical analysis, enabling sales team optimization strategies

## EDUCATION

### University of Arizona, Eller College of Management

Chandler, Arizona

Master of Science in Business Analytics [Dean's list; GPA: 3.85/4.00]

May 2025

### Rashtrasant Tukdoji Maharaj Nagpur University

Nagpur, India

Bachelor of Computer Application

Nov 2020

## SKILLS & CERTIFICATIONS

**Analysis and Visualization:** MS Excel, Tableau, Power BI, Alteryx, Streamlit, Visio, Pandas, Numpy

**Programming Languages:** SQL(Oracle, SQL Server), Python, R, SAS, PySpark, Airflow

**Cloud Platforms and Databases:** Databricks, Snowflake, dbt cloud, AWS (Redshift, S3, Airflow), Azure (ADF, Synapse)

**AI/ML:** LLM/API Integration, RAG, LangChain, scikit-learn, PyTorch, TensorFlow, Vector DBs

**Certifications:** Databricks Data Engineer Associate, Alteryx Designer Core