

Pranav Dadi

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[Quicker.ai](https://quicker.ai)

Summary

Data Engineer with hands-on experience building Python based ETL and data ingestion pipelines, validating enterprise datasets, developing data transformation workflows, and improving pipeline reliability. Skilled in Python, SQL, data quality testing, data mapping, data modeling, Git, MongoDB, and root cause analysis. Built pipelines processing 100,000+ records across 300+ data sources and developed LLM powered data processing workflows using Vertex AI and Gemini to extract, structure, and standardize unstructured data. Currently support enterprise source to target data validation for a PeopleSoft to Oracle HCM migration and am expanding hands-on knowledge of dbt, Snowflake, dimensional modeling, and modern data warehouse architecture.

Experience

Stanford University

July 2025 - Present

Data Analyst, Data Quality & Migration Testing, Redwood City, CA

- Performed data profiling, validation, and root cause analysis across 10,000+ employee records, identifying inconsistencies in codes, dates, balances, pay groups, and leave data before Oracle HCM migration.
- Defined data quality rules, source to target mapping logic, reconciliation criteria, and validation standards across employee data fields to verify transformed records and improve consistency between PeopleSoft source data and Oracle HCM target outputs.
- Built Power BI dashboards covering 1,000+ employee records to monitor data quality, negative balances, cleansing progress, and pay group trends, giving HR and Payroll stakeholders a single view of operational data health.
- Created audit ready data documentation including data dictionaries, change logs, before and after value tracking, file standards, and validation procedures to strengthen data lineage and traceability.
- Designed and executed test cases comparing PeopleSoft source data with Oracle HCM outputs, logging defects, validating transformed records, and partnering with HRIS and IT teams to resolve data issues before go live.
- Maintained data validation queries, audit trackers, reconciliation workbooks, and migration testing workflows used to investigate discrepancies and support stakeholder review.

QuickCruit.ai

July 2024 - June 2025

Technical Co-Founder / AI Data Engineer, Remote

- Built and maintained custom Python based data ingestion and ETL pipelines across 300+ company career sites, extracting, cleaning, transforming, validating, and loading standardized job data into MongoDB for downstream search, analytics, and application workflows.
- Integrated Vertex AI Gemini 1.5 Pro into data pipelines to extract and standardize job title, location, compensation, skills, and description fields from unstructured postings, processing 100,000+ records with 95%+ structured output accuracy.
- Developed LLM powered data transformation, mapping, and classification workflows to identify job attributes, remove non US roles, improve schema consistency, and prepare standardized data for downstream applications.
- Optimized batch processing, validation, and checkpointing workflows, reducing end to end job filtering time from 48 hours to under 48 minutes and improving processing speed by approximately 60x.
- Designed monitoring, error handling, API response validation, and checkpoint recovery logic that reduced failed AI processing runs by 30% and improved pipeline reliability.
- Designed MongoDB data models and standardized data exchange formats to support downstream search, filtering, analytics, and machine learning workflows across the QuickCruit platform.

Northwestern Mutual
Data Analyst, Milwaukee, WI

June 2022 ~ June 2023

- Supported data governance across 30+ Adobe Analytics report suites by standardizing event tracking, metric definitions, tagging rules, and reporting logic to improve data consistency and reliability.
- Built 15 Adobe Analytics dashboards to monitor campaign performance, digital engagement, and business KPIs, helping stakeholders access reporting insights 4x faster.
- Analyzed 100,000+ digital events to identify performance patterns and business insights, improving targeting precision by 18% and supporting marketing resource allocation decisions.
- Partnered with business stakeholders to gather data and reporting requirements, define KPIs, document metric logic, and translate business needs into recurring analytics and self service reporting solutions.

Education

University of California, Riverside
B.S. Business Information Systems

June 2024

Relevant Coursework

Data Structures and Algorithms, Introduction to Programming (C++), Introduction to MySQL, Computer Science & Engineering (CSE), Advanced Programming with C/C++, Principles of Engineering (POE)

Skills

Data Engineering: ETL/ELT, Data Ingestion, Data Pipelines, Data Transformation, Data Mapping, Data Quality Testing, Data Validation, Schema Validation, Data Modeling, Data Lineage
Programming & Databases: Python, SQL, MongoDB, MySQL, PostgreSQL, R
Development & Cloud: Git, Vertex AI, AWS, Microsoft Azure, Jira, Confluence
Enterprise Data: PeopleSoft, Oracle HCM, Data Profiling, Data Reconciliation, Root Cause Analysis, Migration Testing, Data Governance
Analytics & Reporting: Power BI, Tableau, Adobe Analytics, Microsoft Excel, KPI Reporting
Currently Developing: dbt, Snowflake, Dimensional Modeling, Medallion Architecture, Dagster
Certifications: AWS Certified Data Engineer Associate (*In Progress*), AWS Cloud Practitioner (Jun 2021), Google Data Analytics (Mar 2022), IBM AI Developer (Jun 2024), Generative AI Apps for Google Cloud (Apr 2025)