

Dnyanai Surkutwar

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SUMMARY

Data analyst with 4+ years of experience in retail-tech and analytics strength in SQL and Python analysis, data validation and QA, and building KPI dashboards in Tableau, Power BI, and Looker that drive cross-functional decisions. Educated in NLP/ML and AI workflows; skilled at identifying inconsistencies and patterns across large datasets, documenting findings, and escalating issues clearly.

SKILLSET

Programming, Cloud computing, DB:	Python (Pandas, numpy, scikit-learn), Excel, AWS (Amazon Web Services), GCP (Google Cloud Platform), Power BI, Tableau, Looker, Git, JIRA
Skills, Tools:	Data Analytics, Data Modeling & Engineering, QA & UAT, Root Cause Analysis, KPI defining and tracking, Automation, AI

WORK EXPERIENCE

Career Development & AI Upskilling

McKinsey Forward Program

Jun 2026

- Selected for McKinsey's professional development program in structured problem-solving, communication, and leadership.

AI Externship for Pfizer (via Extern)

Jun 2026 – Present

- Building AI pipelines to process pharmaceutical supplier/vendor files using OCR and RAG for data extraction and classification.
- Running benchmarking and evaluation of the document-intelligence system across OCR accuracy, RAG retrieval quality, and routing performance — working towards a technical report on model trade-offs, optimization strategies, and deployment recommendations.

AI Externship for Outamtion (via Extern)

Nov 2025 – Feb 2026

- Built modular AI pipelines for high-volume document processing, applying OCR and RAG for data extraction and classification, with retrieval tuned via LlamaIndex chunking and metadata filtering.
- Evaluated OCR and retrieval performance quantifying performance trade-offs.

Mathnasium Math instructor

Jun 2025 – Aug 2025

Data Analyst | Google via Adecco and Magnit

Jul 2023 – May 2024

- Financial Data Analysis:** Established **SOX** compliance for \$15B+ finance pipeline by creating comprehensive SDLC documentation through **Python & SQL** codebase analysis and data architecture review across GCP & **Big Query** systems, strengthening data integrity and auditability.
- Quantitative analysis:** Performed data validation testing and **UAT** for the Data Governance and PMO team, identifying and documenting data inconsistencies, coordinating with engineering teams for resolution.

Data Analyst | Nordstrom

Dec 2021 – May 2023

- KPI definition and QA:** Built and owned a Sales Pipeline Health dashboard suite (**Python, SQL, Tableau**), defining 8+ metrics and 2+ KPIs used by 10+ leaders across Directors, EMs/PMs, and Engineers; became the team's primary debugging tool and saved ~10 hours/week of on-call investigation.
- Data storytelling:** Developed **Python** scripts and **Tableau** dashboards to automate qualitative and quantitative reconciliation analysis, improving response time and efficiency.
- Inventory Audit Data Modeling & Analytics:** Reduced manual investigation effort by 2x by dashboard **query optimization & schema** redesign for Inventory Audit team.
- Data Optimization:** Improved reporting accuracy by implementing **SQL** (Postgres, Oracle, Teradata) data transformations for complex nested data structures (**Struct, Arrays, JSON handling**) performing **QA** alongside Sales Engineering team.
- Technical Documentation and presentation:** Led **technical feasibility** and resource-**estimation** analyses for data analytics projects.
- Continuous Learning:** Gained exposure to **Apache Kafka, Flink, OLAP** and Orchestration (**Airflow**).

Strategic Planning Analyst | Williams Sonoma**Oct 2021 – Dec 2021**

- *WoW Reporting workflow Automation*: Automated executive reporting workflows by using Python/pandas with SharePoint API (REST API) to refresh backend data for Excel-based Pivot Table dashboards, facilitating data-driven decision-making for SVPs and VPs.
- *Data insights liaison*: Acted as the primary data bridge between inventory planners and buyers, delivering daily insights on seasonality trends and planning decisions.

Software Engineer/ Data Engineer, IoT | OrxaGrid, for SCOPE T&M**Apr 2017 – May 2018**

- *Tool & Resource time optimization*: Accelerated sensor calibration 3x through **Excel Macros/VBA automation** tool, solving sensor calibration speed problem.
- *Cloud Computing*: Managed **AWS** infrastructure (**S3, EC2**) for **IoT** data pipeline using **SQL, Python, NodeJS**, ensuring reliable data storage for customer-facing dashboards.

Junior Software Tester – PC | Ubisoft Entertainment**Jun 2015 – Jan 2016**

- *Quality Assurance*: Executed rigorous testing for AAA game franchises; reported **50+** bugs in **JIRA**, ensuring software compliance and performance quality.

INTERNSHIPS**Graduate Research Assistant | Santa Clara University Law School****Mar 2020 – Sep 2020**

- *NLP Application Development*: Built rule-based NLP web application using GCP, Python, and Flask for hate speech detection on Central African Republic social media platforms.
- *Dashboard Development*: Designed Power BI dashboard analyzing ODR Caseload Manager data, providing performance metrics to stakeholders.
- Utilized Excel VLOOKUP, XLOOKUP, INDEX, conditional formatting to make excel reports.

NLP Engineer Intern | Cloud Eagle**Nov 2020 – Feb 2021**

- *Backend Prototyping*: Built an ML proof-of-concept for product classification, migrating from KNN to BERT-based Transformers.
- *Data Engineering*: Managed high-volume unstructured text data using MongoDB to structure training datasets for NLP models.

PROJECTS

- *Hackathons – DevPost: AI Partner Catalyst: Accelerate Innovation – AI companion for MS patients*: Building a multimodal, **agentic AI** tool in **Python** to promote self-awareness and advocacy for Multiple sclerosis patients.
- *Customer Review Analysis and Affordability Analysis on Airbnb*: Performed Customer Review **Analysis** & Affordability analysis based on Airbnb's locations, proximity to local attractions, and public using Python.

EDUCATION**Santa Clara University, USA | Master of Science in Information Systems (GPA: 3.67/4.0)****Jun 2021**

- Specialization in Machine Learning with courses in Machine Learning (traditional), Deep Learning, NLP, Big Data tools.

CDAC-ACTS, India | Postgraduate Diploma, Internet of Things**Feb 2017**

- Specialization in Sensor network. Protocols, Linux and Python – backend engineering.

Maharashtra Institute of Technology, India | Bachelor of Science**Jun 2015**

- Electronics & Telecommunication
- Courses: Embedded Systems, Neural Networks, Electronics, Digital logic device.