Vaishnavi todkar Data Analyst

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# Career Summary

**Data Analyst** skilled in **data cleaning, data visualization, statistical analysis, and database management** using **Python, SQL, Excel, Tableau, and Power BI**. Experienced in building dashboards, performing exploratory data analysis (EDA), and delivering actionable insights to support business decision-making.

# Technical Skills

* **Front-End Development**: HTML, CSS, JavaScript
* **Back-End & Databases**: Python, SQL
* **Visualization & Reporting**: Power BI, Tableau, Excel (PivotTables, Power Query)
* **Statistics & Data Analytics**: Hypothesis testing, EDA, Data Cleaning, Data Modelling, VBA

# Education

## Dr. J. J. Magdum College of Engineering, Jaysingpur 2025 – Present

## B. Tech | Computer Science & Engineering | CGPA: 7.04

# Project

## The Bechdel test

## ***Key Skills***: Python, SQL, Pandas, NumPy, Power BI, Tableau, Power Query, Data Pipeline, Statistical Analysis, ETL

## Built a **data pipeline (ETL)** using **Python (pandas)** and **SQL** to integrate metadata for 3,000+ films.

## Designed **interactive dashboards** in **Power BI and Tableau** to visualize pass rates by decade, genre, and studio.

## Conducted **statistical analysis** comparing revenue and ratings between Bechdel Pass vs Fail films, uncovering trends in gender representation.

## Automated data refresh with **Power Query** and documented a reproducible workflow.

## Gender Diversity

## ***Key Skills***: Python, SQL, Power BI, Tableau, Power Query, Statistical Analysis, ETL

## Built a **workforce diversity dashboard** in **Power BI and Tableau**, analyzing gender ratios, pay equity, promotion rates, and attrition.

## Modeled employee datasets using **SQL** and performed **statistical analysis in Python** to identify pay gaps and promotion bias.

* Delivered actionable insights supporting **HR analytics and DEI (Diversity, Equity, Inclusion) initiatives**.

## Personal Finance Tracker

## ***Key Skills***: Python, SQL, Power BI, Tableau, Power Query, Data Pipeline, Statistical Analysis, ETL

## Developed a **finance analytics solution** using **Excel, SQL, Python, Power BI, and Tableau** to track income, expenses, and savings.

## Built dashboards with **budget vs actuals, top spending categories, and savings rate**, improving financial decision-making.

## Analyzed 500+ transactions and automated reporting pipelines with **Excel Power Query and DAX**, reducing manual effort by 80%.

# Certification

Google Data Analytics Certification

Microsoft Power BI Certification

LinkedIn Data Analytics: 1 Foundations