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FIND My AI Tool Analytics Dashboard

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Abstract: *This paper presents the design and architectural approach of a Power BI-based data analytics system that evaluates the performance of AI tools available on the website Find My AI Tool. The model integrates AI tool data such as usage metrics, ratings, pricing models, growth percentages, and user adoption, and processes it through data collection, cleaning, transformation, and visualization layers. The system architecture ensures accurate representation of AI tool performance across various metrics including category-wise analysis, difficulty-level segmentation, and pricing-tier comparison. The proposed framework demonstrates how effective data visualization can assist developers, researchers, and business analysts in discovering, comparing, and selecting appropriate AI tools for their needs.*

Keywords: Data Analytics, Power BI, Find My AI Tool, Data Visualization, AI Accuracy Analytics, Business Intelligence, Data Integration

I. INTRODUCTION

The rapid growth of artificial intelligence has led to an explosion of AI-powered tools across categories such as text generation, coding assistance, image generation, video creation, audio synthesis, and productivity automation. Platforms like Find My AI Tool serve as centralized directories where users discover, compare, and evaluate these tools. Analyzing the data from such platforms is essential for understanding adoption trends, pricing patterns, and quality benchmarks across the AI industry.

II. SYSTEM DESIGN

The system design focuses on building an efficient, modular, and scalable architecture. The overall system is divided into multiple layers, including:

- Data Collection Layer: Responsible for gathering AI tool data from the Find My AI Tool website and structured datasets containing 50 tools across 7 categories, and storing them in Excel/CSV format
- Data Cleaning Layer: Handles missing values, removes duplicate records, and standardizes data formats for consistency.
- Data Transformation Layer: Converts raw data into structured formats and creates calculated fields such as total users per category, average growth rate, and market share percentages.
- Computation Layer: Processes transformed data to calculate key performance indicators (KPIs) like including total tools, average rating, fastest-growing tool, free-to-paid ratio, and category-level aggregations.
- Visualization Layer: Displays interactive dashboards in Power BI, representing AI tool performance, trend comparisons, pricing breakdowns, and difficulty distributions through bar charts, doughnut charts, slicers, and KPI cards performance, trends.

II. METHODOLOGY

Microsoft Excel was used as the primary data source and preprocessing environment.. After preprocessing in Excel, the dataset was imported into Power BI where an interactive multi-page dashboard was created. Key performance indicators were visualized using bar charts (category vs. users), donut charts (pricing split and difficulty breakdown),

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scatter plots (rating vs. growth), and card visuals for headline KPIs. Slicers and filters were implemented for Category, Pricing Model, Difficulty Level, Platform, and API Availability, enabling detailed drill-down analysis for end users.

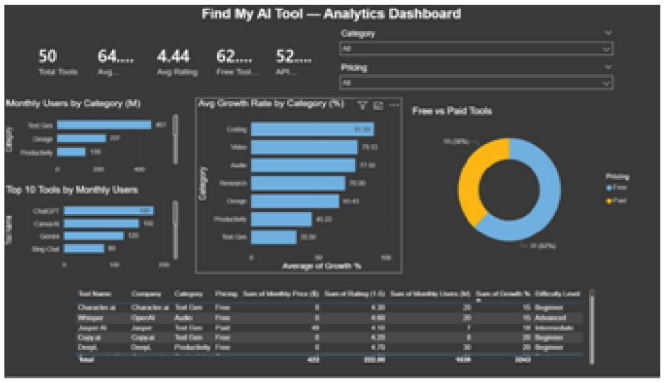

Fig. 1. Power BI Dashboard Displaying AI Tool Performance

IV. RESULT AND DISCUSSION

The Power BI dashboard provided clear insights into AI Tool performance. High-performing Tools were identified based on ratings and Usage, while Tools with lower performance were also highlighted. The dashboard enabled comparison of different Tools. It also helped in understanding order trends and peak demand periods. The visual representation made it easier for users to interpret complex data and note AI Tools Performance.

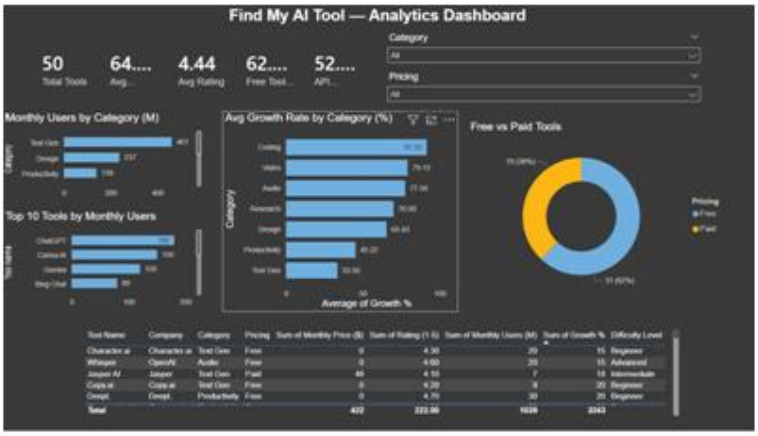

Fig. 2. System Architecture for AI Tool

V. CONCLUSION

This paper successfully demonstrates how Microsoft Excel and Power BI can be used to analyze and visualize AI tool data effectively, creating a practical recommendation system for navigating the modern AI landscape. The proposed "Find My AI Tool" dashboard provides a structured approach to data collection, cleaning, aggregation, and interactive visualization across 50 tools spanning seven major categories.

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