# **BCG X AI Chatbot - Summary**

#### **How It Works**

The BCG X AI chatbot is designed to help users retrieve financial data using predefined queries. It allows users to select:

- A company (Apple, Microsoft, Tesla)
- A financial metric (e.g., Total Revenue, Net Income)
- A fiscal year (2022, 2023, 2024)

Once the user submits the query, the chatbot fetches relevant data from an **Excel database** using **Flask and Pandas**, then displays the requested financial information.

## **Predefined Queries**

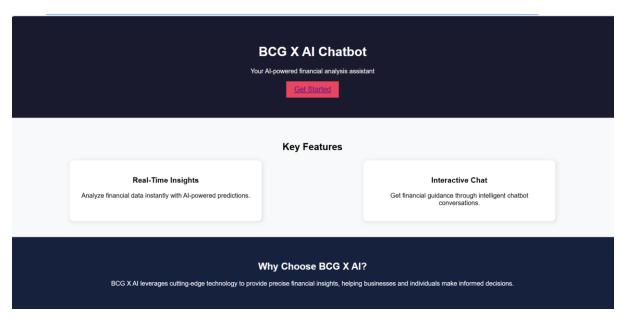
Users can choose from the following metrics:

- Total Revenue
- Net Income
- Total Assets
- Total Liabilities
- Operating Cash Flow
- Revenue Growth (%)
- Net Income Growth (%)

#### Limitations

- The chatbot only supports predefined companies and financial metrics.
- It relies on an **Excel file** for data, meaning updates require manual file modifications.
- It **does not generate predictions** or conduct deep financial analysis beyond displaying stored data
- User inputs must **exactly match** available records, or they will return "Oops! Unable to find data."

#### INTERFACE 1:



### INTERFACE 2:

