Measuring the pulse of prosperity: An Index of Economic Freedom Analysis

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PROJECT NAME	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
MAXIMUM MARKS	4 MARKS

4.3 Solution Architecture

Solution Architecture describes the overall structure of the system and how different components work together to collect, process, store, and present data. For the Index of Economic Freedom Analysis project, the architecture focuses on handling economic datasets and generating meaningful insights. Main Components of Solution Architecture

1.Data Source Layer Economic data is collected from reliable global organizations such as The Heritage Foundation, World Bank, and International Monetary Fund.

 These sources provide datasets related to economic indicators and country statistics.
2. Data Collection Layer

■ Download datasets or import files (CSV/Excel).

■ Verify and clean the data for accuracy.

 3. Data Processing Layer

■ Use programming tools (e.g., Python) to analyze economic indicators.

■ Perform calculations and comparisons between countries.

4. Database Layer

 ■ Store structured economic data using databases like MySQL.

 ■ Maintain country-wise and year-wise records.

 5. Application Layer

 ■ Implement system logic to process user requests and generate outputs.

6. Visualization Layer (User Interface)

■ Display charts, tables, and reports using web technologies (HTML, CSS, JavaScript).

Simple Architecture Flow
Data Sources → Data Collection → Data Processing → Database → Application Logic → Visualization Dashboard