Project Design Phase-I
Solution Architecture

Date	16 October 2023
Team ID	NM2023TMID07521
Project Name	Path To Prosperity: A Comprehensive Analysis Of Financial Independence Based On Data Taken From Reddit
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:

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┌──────────────────┐      ┌──────────────────┐              ┌──────────────────┐
│                  │      │                  │         ╱╲   │ Data Storage     │
│ User (Researcher)│ ───▶ │ Reddit API       │ ───▶  ╱    ╲ │ Database or File │
│                  │      │ (Data Source)    │      ╱Research╲ ──▶│ Storage     │
└──────────────────┘      └──────────────────┘      ╲ Tool  ╱│                  │
                                                     ╲Application╱└──────────────────┘
                                                      ╲or Script╱          │
                                                       ╲  ╱               ▼
                                                        ╲╱        ┌──────────────────┐
                                                        │          │ Data Extraction  │
                                                        ▼          │ and Preprocessing│
                                               ┌──────────────────┐│ module           │
                                               │ Data Analysis    │└──────────────────┘
                                               │ and Processing   │          │
                                               │ Algorithms       │          ▼
                                               └──────────────────┘ ┌──────────────────┐
                                                        │           │ Data Storage     │
                                                        ▼           │ Database or File │
┌──────────────────┐      ┌──────────────────┐         │           │ Storage          │
│ Research Output  │      │ Visualization    │         │           └──────────────────┘
│ Paper, Report,   │ ◀─── │ Module Charts,   │ ◀───────┘
│ Presentation     │      │ Graphs,Reports   │
└──────────────────┘      └──────────────────┘
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