Project Introduction and Architecture: Build a Supervisor Multi-Agent System for Financial Research and Data Analysis

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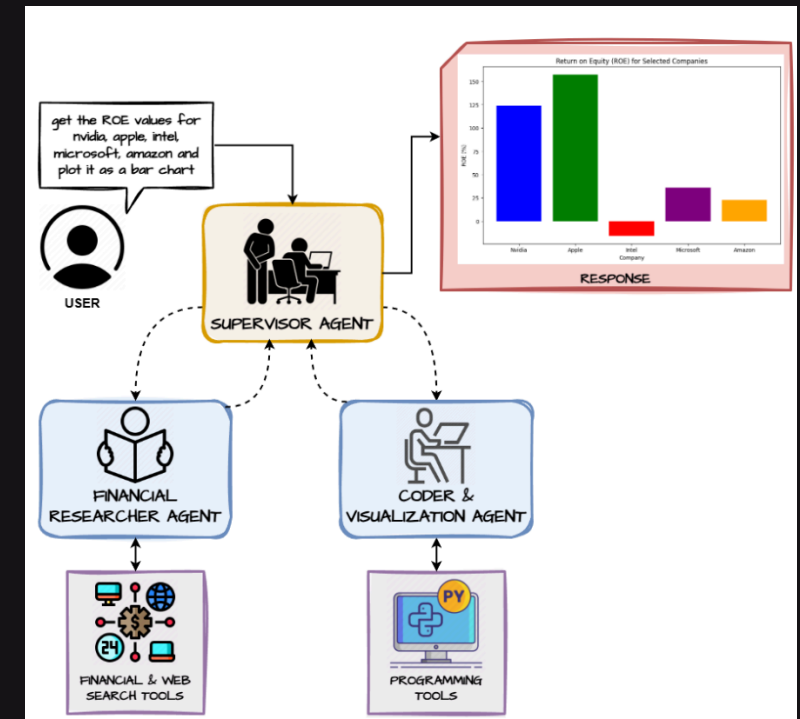Head of Community & Principal AI Scientist at Analytics Vidhya

Google Developer Expert - ML & Cloud Champion Innovator
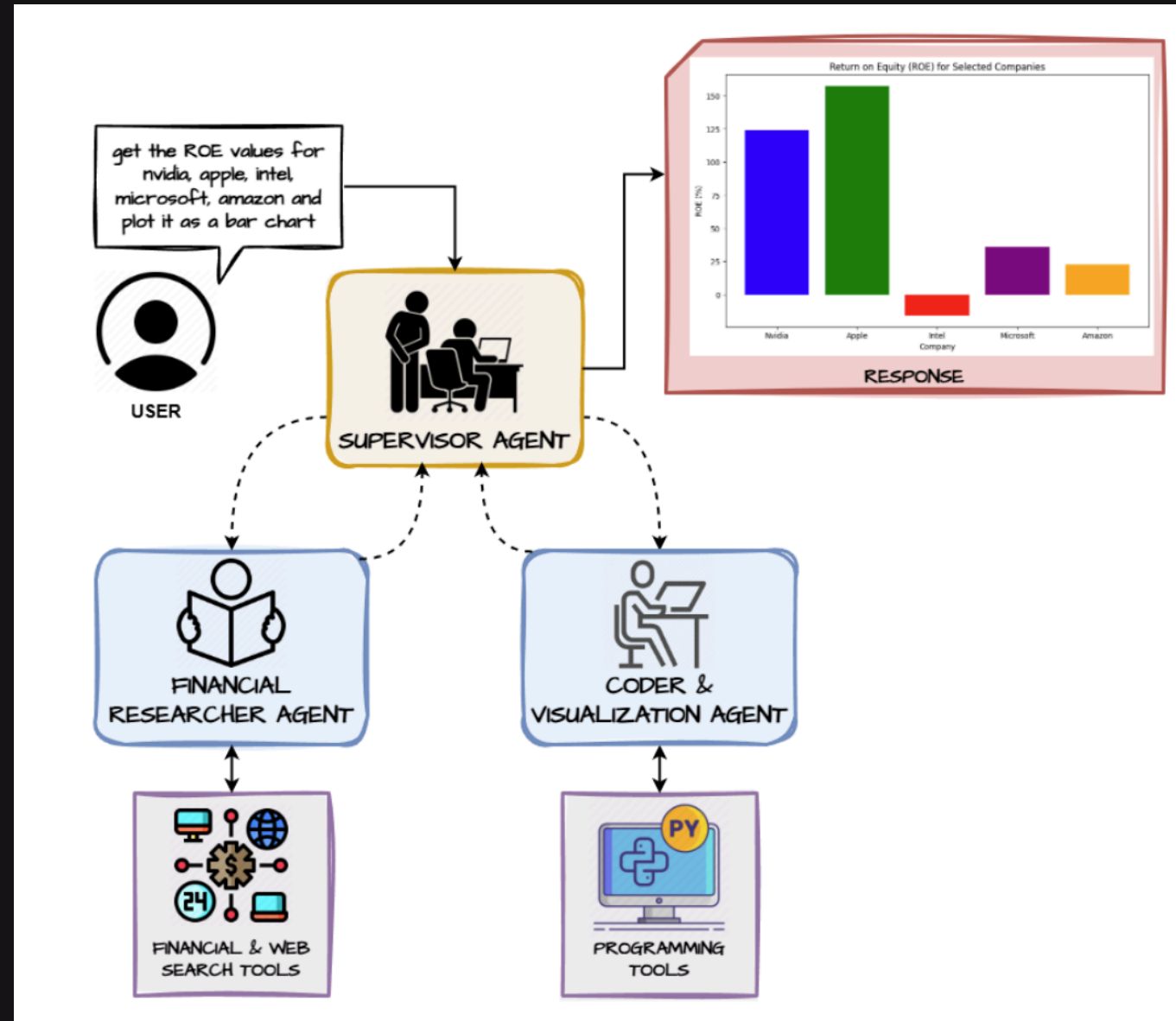
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Project Objectives

- Understand the essentials of multi-agent systems & navigating between agents and nodes

- Build a Supervisor Multi-Agent System for Financial Research and Data Analysis:
  - Supervisor Agent will analyze the user query and delegate the task to either the researcher or coder sub-agent
  - Researcher sub-agent can call web search or financial tools to get relevant data and information for the user question and return back to the Supervisor
  - Coder sub-agent can take in data, run Python code, generate visualizations and return back to the Supervisor
  - Supervisor keeps calling any of these two agents based on the current agent state and progress till the task is solved and returns the final response

Multi-Agent System for Financial Research and Data Analysis Architecture

Thanks