

Project Introduction and Architecture: Build a Reflective Self-Correcting Code Generation AI Agent

Dipankar Sarkar

Head of Community & Principal AI Scientist at Analytics Vidhya

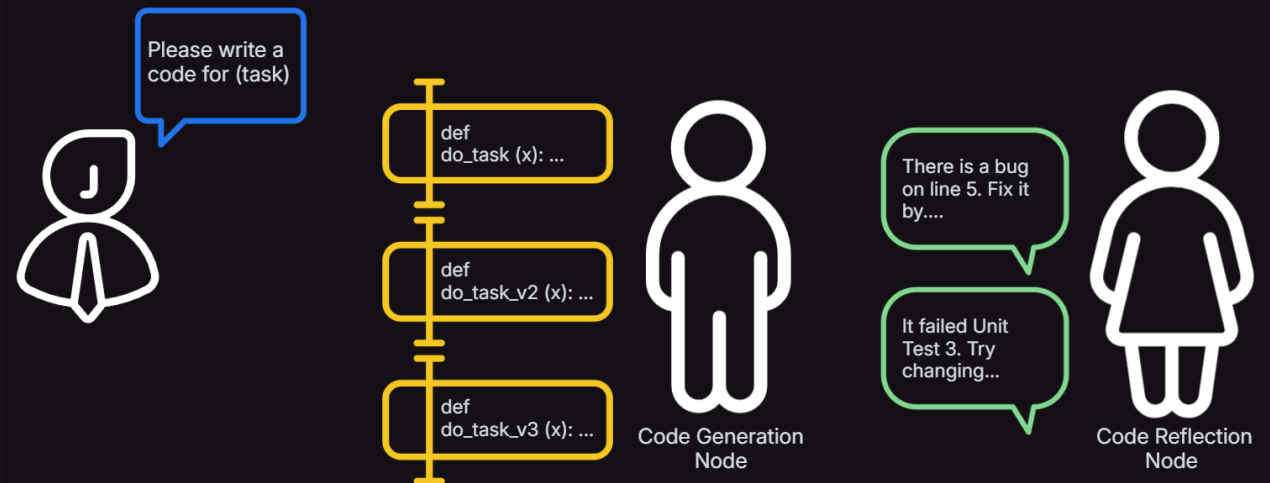
Google Developer Expert - ML & Cloud Champion Innovator

Published Author

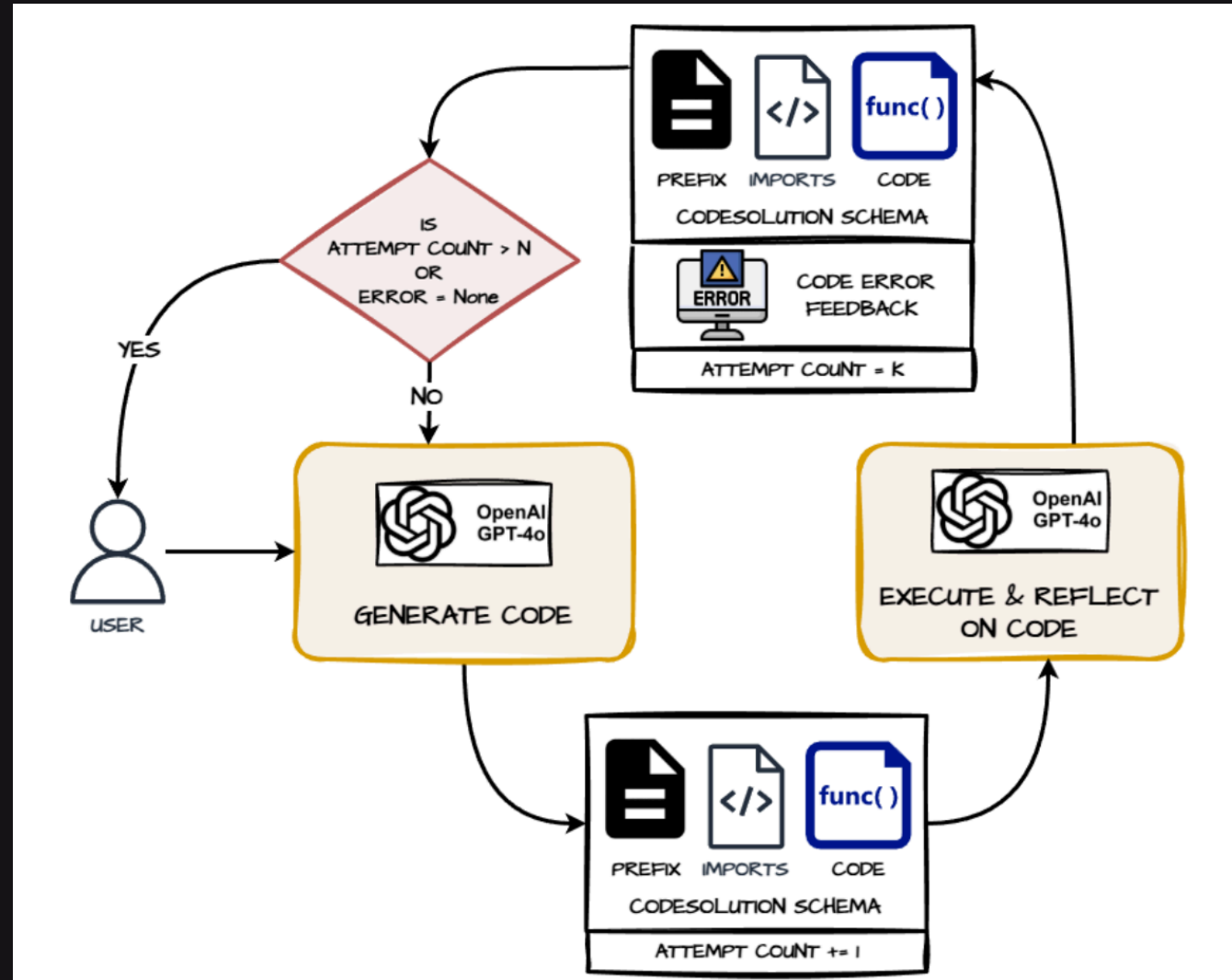


Project Objectives

- Understand the essentials of Reflection Agentic AI Systems
- Build an intelligent self-correction code generation reflective AI Agent:
 - Analyze user query to figure out the problem
 - Generate code to solve the problem including description, imports and code
 - Reflect on generated code by checking imports and code execution and record feedback
 - Correct generated code based on feedback
 - Run this loop for N times or till you get the correct code



Self-Correcting Code Generation Reflection AI Agent



Thanks