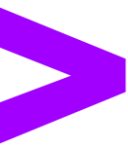# UKIA – GEN AI CHAT BOT- M&G

Client Context & Challenge

- Asset Managers and Fund Manager will need to look at risk score, Economic Reports, Market Research Reports, Regulatory Compliance Reports, ESG summary of a particular company to make decision on investments. It takes longer to review as the documentations are huge

Key Challenges:

- Reduce time for Fund Manager to find and summarize data

Gen AI Use Case & Solution

GEN AI Information retrieval & summary Chatbot

Data / Architecture

GEN AI Chatbot which is built on Azure Open AI (3.5 Turbo) and Azure cognitive search would be able to find the required document and summarize as necessary helping Asset Managers save a ton of time to accomplish their Job.

- React Front End to build the chat bot user interface.
- APIs and prompt preparation.
- Use Azure Open AI to get different kinds of summary generation

Outcome

- **1200** users benefitted
- **~ 50%** time saved in summarization efforts
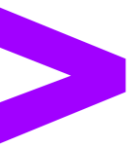- Different types of summary available

Technology

OpenAI   Azure   GPT 4 Turbo

Project MD / AD

Nirmal Jain

UKIA – GEN AI – CODE CO-PILOT M&G

M&G | accenture

Client Context & Challenge

- Enhance the overall effectiveness and output of developers to boost efficiency, security, productivity and quality.
- Hallucination of code in some cases.
- Code needs to be reviewed to ensure no loopholes

Key Challenges:

- Improve efficiency of Developer and QA

Gen AI Use Case & Solution

GIT Hub Co-Pilot for Developers and QA

Data / Architecture

Gen AI (GitHub copilot) implementation for Git-Hub Co-Pilot to help developers and QA to write code (Code Synthesis, automated Unit Tests, Code completion, Knowledge capitalization (Tech documents for the code) ,Code optimization and code conversion) using prompt engineering

- This is a plugin Installed on the IDE.
- Reads the current project on IDE to generate code through prompts.
- Git Hub chat helps provide solutions for developer tech glitches and problems

Outcome

- Improves the productivity by 20% minimum
- Standardized and best practices followed across.
- Alternative ways to refactor/Code conversions

Technology

GitHub Copilot

Project MD / AD

Nirmal Jain