HARSHATH KHAN

GENERATIVE AI DEVELOPER

Namakkal, Tamil Nadu

PROFESSIONAL SUMMARY

Generative AI Developer with IT experience since 2017, currently at Infosys building enterprise Generative AI solutions with Microsoft Copilot and ChatGPT. Skilled in LLM APIs, prompt engineering, RAG-based architectures and AI-assisted development for real business problems across sales and supply chain domains. Began career as a Software Tester Engineer at HCL on clinical analysis projects, bringing a strong data-quality and validation mindset to every AI solution delivered.

TECHNICAL SKILLS

Generative AI: Microsoft Copilot, ChatGPT, Large Language Models (LLMs), Prompt Engineering, LLM APIs, Retrieval-Augmented Generation (RAG), Multimodal AI, Fine-Tuning Basics
AI and ML: Machine Learning, Deep Learning and NLP Fundamentals
Programming: Python, SQL
Data and Analytics: Data Cleansing and Transformation, SQL Queries, Excel, CSV, Sales and Supply Chain Analytics
Testing: Manual Testing, Functional and Regression Testing, Test Case Design, Defect Tracking, UAT Support
Tools and Platforms: Git, JIRA, Azure DevOps, MS Office
Methodology: Agile, Scrum, Sprint Planning, Code and Output Review

CORE COMPONENTS

Generative AI Fundamentals | Prompt Engineering | LLM API Integration | Copilot and ChatGPT Workflows | RAG Architecture | Python for AI | Data Preparation and Validation | Business Requirement Analysis | Functional and Regression Testing | Agile Delivery

WORK EXPERIENCE

Gen AI Developer | Infosys March 2020 – Present

- Design and deliver enterprise Generative AI solutions using Microsoft Copilot and ChatGPT, turning business data into accurate answers, summaries and automated insights.
- Engineer prompts and integrate LLM APIs into business workflows, applying prompt-engineering and grounding best practices for reliable outputs.
- Build RAG-based components so AI responses stay anchored to verified enterprise data.
- Prepare and validate business datasets feeding AI solutions, applying a strong data-quality approach built on years of testing experience.
- Partner with business and technical stakeholders to shape use cases, and deliver features in Agile sprints.
- Support deployment, enhancement and production issues for Gen AI applications used by business teams.

Software Tester Engineer | HCL August 2017 – January 2020

- Performed functional and regression testing on clinical analysis applications that process and report on healthcare data.
- Designed and executed test cases across data processing and reporting modules, validating outputs against source data.
- Tracked defects through to closure and supported user acceptance testing with business stakeholders.
- Collaborated with developers and analysts to understand requirements and ensure data accuracy in every release.

PROJECT EXPERIENCE

Gen AI Sales and Supply Chain Assistant (Infosys) Sales / Supply Chain

Description: Generative AI assistant built on enterprise sales and supply chain data, enabling business teams to query performance, get summaries and surface insights through Microsoft Copilot and ChatGPT-driven workflows.

- Built prompts, LLM API integrations and RAG components to answer sales and supply chain questions from enterprise data.
- Prepared, cleansed and validated datasets so AI outputs remained accurate and consistent with source systems.
- Worked with business users to refine use cases and continuously improve answer quality and coverage.

Environment: Microsoft Copilot, ChatGPT, LLM APIs, RAG, Prompt Engineering, Python, SQL

Clinical Data Analysis Platform (HCL) Clinical / Healthcare

Description: Clinical analysis platform used to process healthcare data and generate validated analysis reports for business and clinical users.

- Tested data processing and reporting features end to end, including edge cases across varied clinical datasets.
- Validated analysis reports against source data and drove defects through to resolution with the development team.

Environment: Manual Testing, Test Case Design, Defect Tracking, SQL, Excel

EDUCATION

Bachelor of Engineering – Computer Science and Engineering 2013 – 2017

Erode Arts and Science College, Erode, Tamil Nadu