

# Kamali Ramraj

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## SUMMARY

AI professional with 2 years of experience specializing in end-to-end AI solutions. Proficient in Python and various AI frameworks, with hands-on expertise in designing and deploying models that deliver tangible business value.

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## PROFESSIONAL EXPERIENCE

### MPHASIS LIMITED | SOFTWARE ENGINEER | JUNE 2022 - PRESENT

- Developed an **end-to-end voice conversation chatbot** using Python and Flask. The application integrates LangChain for handling dialogue, utilizing Gemini and Azure OpenAI models to generate responses based on user-provided topics.
  - Proficient in **prompt engineering** for optimizing AI model responses and enhancing user interaction.
  - Implemented a **Summarization solutions using the LangChain** framework and the StuffChain approach, enhancing information retrieval and processing efficiency.
  - Developed a **Resource Allocation** that automates SQL query generation for internal data retrieval using AI-driven prompts. This innovative solution enhances efficiency and enables quick access to relevant information. Additionally, implemented FAISS (Facebook AI Similarity Search) to streamline the retrieval of candidate information from resumes, addressing external search requirements based on managerial specifications.
  - Implemented a **web knowledge extractor** that utilizes a primary URL to retrieve information. The tool extracts data from both the primary URL and linked sub-URLs, enabling comprehensive data retrieval from web resources. This solution enhances information gathering and analysis from multiple sources.
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## PUBLICATION

- Authored a comprehensive white paper addressing prompt engineering methodologies, emphasizing usability and user experience enhancement | [White Paper Link](#).
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## TECHNICAL SKILLS

- Python
  - Artificial Intelligence (GenAI, AzureOpenAI)
  - Frameworks (Langchain, FlaskAPI)
  - Database (MySQL)
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## EDUCATION

**B.Tech (Information Technology)**

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

**2018 – 2022**

**75%**

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