

Sabareeshwaran

AI Developer • SAP Developer • Prompt Engineer

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Objective

Advanced AI Developer, SAP Developer, and Prompt Engineer specializing in multi-agent systems, RAG pipelines, and enterprise AI integration. Expert in PyTorch, TensorFlow, LangChain, LangGraph, AutoGen, CrewAI, and OpenAI orchestration tools. Seeking to leverage cutting-edge AI frameworks with SAP technologies to drive intelligent automation.

Professional Experience

SAP AI NextGen Intern (CLICK HERE)	3 Months
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IT RESONANCE, CHENNAI

Completed intensive SAP ABAP development program with hands-on exposure to SAP BTP services, SAP BAS for development, and SAP BPA concepts. Enhanced ABAP programs and collaborated on AI-enhanced SAP use cases using LangGraph, LangChain and RAG pipelines for intelligent automation.

Key Projects

1. SAP iFlow RAG Pipeline with Re-ranking

This pipeline enhances SAP iFlow code generation from natural language using advanced embeddings and cross-encoder re-ranking. It achieved over Precision@5 for accurate translation. The system integrates Claude Sonnet-4 and OpenAI GPT via LangChain. A user-friendly web interface and an evaluation framework were developed for scalable testing and benchmarking.

2. RAG Chatbot with Dual Memory Storage

Developed an n8n RAG chatbot that provides personalized responses through dual memory storage. It uses Qdrant and Pinecone for vector storage and integrated Cohere AI embeddings. Cognee AI memory was configured for robust, long-term context recall. Full integration required setting up Qdrant Cloud and resolving various JSON and ngrok configuration issues.

3. SAP Copilot Conversational Assistant

Created an SAP Fiori-integrated conversational AI assistant that acts as an intelligent copilot. It utilizes LangChain, OpenAI, and RAG pipelines for context-aware interactions. The assistant is built on an SAP BTP backend and uses Pinecone for efficient context retrieval. Its intelligence is powered by a sophisticated multi-agent orchestration system.

4. EarthQuacke 3D Interactive Earthquake Visualizer

A 3D web app visualizing real-time global earthquake data using React 18, Three.js, and react-globe.gl. Integrates with the USGS Earthquake API to display seismic events on an interactive globe with color-coded magnitude markers, time range filtering, location search, and clustering. Features responsive design, interactive popups, and WebGL-powered rendering.

5. PixiePrompt AI-Powered System

This is an advanced AI prompting system designed for executing complex automation workflows. The system leverages coordination from frameworks like AutoGen and MetaGPT. It integrates deep learning capabilities using PyTorch/TensorFlow models. The entire system connects to SAP through stable REST APIs for seamless data exchange and task execution.

6. CharacterAI Interactive Personas

Built AI personas with BabyAGI, LlmalIndex, and Weaviate, leveraging n8n and REST APIs for multi-agent conversational AI and context-aware responses.

Technical Skills

SAP Technologies	DDIC, SAP ABAP, CDS Views, OO ABAP, ALV Reports, S/4HANA, SAP BTP, SAP BAS, SAP BPA, IDoc/ALE, BDC/LSMW, BAPI/BADI
AI & ML Frameworks	PyTorch, TensorFlow, LangChain, LangGraph, LlamaIndex, RAG Pipeline, AutoGen, MetaGpt, OpenAI APIs, Multi-Agent Systems
AI Infrastructure	Pinecone, Weaviate, Qdrant, n8n, Cohere AI, Cognee AI, ngrok, REST APIs, Python, NLP, Prompt Engineering, AI Integration, Conversational AI
Web & Database	HTML5, CSS3, SQL, Oracle, Git, VS Code, Eclipse, Postman

Education

- BE-CSE With 8.15 (CGPA) | NOV 2020 – 2024 ANNA UNIVERSITY, CHENNAI.
- HSC With 72.8% | JUNE 2018 -MARCH 2020 LAKSHMI CHORDIA MEMORIAL MATRIC HR SEC SCHOOL, CUDDALORE.
- SSE(CBSE) With 60.8% | JUNE 2017 - MARCH 2018 THE PSBB MILLENNIUM, CUDDALORE.

Certifications & Training

- **SAP AI NextGen Internship Program (Phase 1 & Phase 2)**
IT Resonance, Chennai - October 2025 – ([CLICK HERE](#))
- **Introduction to Model Context Protocol – Anthropic (Online), August 2025**
This version puts emphasis on Anthropic, noting the provider, format, and completion date in a succinct, professional style. - ([CLICK HERE](#))
- **SAP ABAP Course**
SPRAO Technologies, Hyderabad - Sep 2024 to Feb 2025

Key Highlights

- Quick learner and adaptable team player with passion for AI and automation
- Organized TechNodelve 2023 — 400+ students, 4 events, 65% CSE involvement
- Expertise in AI-SAP integration and intelligent automation solutions
- Multilingual: English, Tamil (Read/Write/Speak), Hindi (Read/Write)

Languages

- English
- Tamil
- Hindi