

PROFILE

Senior AI Engineer with over 7 years of experience creating and deploying enterprise-scale AI solutions, focusing on agentic AI, autonomous systems, and multi-agent orchestration. Expert in building LLM-powered intelligent agents using LangChain, tool-calling frameworks, memory architectures, and RAG systems to automate complex business workflows.

- Core Skills
- Python
 - Agentic AI & Multi Agent System
 - LangChain, LangGraph, CrewAI & Tool-Calling Frameworks
 - Distributed AI Systems, LLMOps
 - Advanced RAG, Vector Search & Knowledge Engineering

EXPERIENCE

Senior AI Engineer - EXL

Feb 2026- Present

Architected Sentinel AI, a production-grade multi-agent vision framework built on LangGraph for industrial CCTV monitoring and real-time anomaly detection. Integrated VideoLLaMA3-7B to ingest high-throughput video streams and autonomously detect spatial infractions, routing metadata into a ReAct reasoning loop orchestrated by Anthropic LLMs. Engineered autonomous tool-calling mechanisms that allow specialized agents to cross-reference employee rosters via database APIs and trigger localized communication brokers without human intervention. This automated vision-to-action pipeline eliminated manual triage latency, yielding a 35% reduction in monitoring overhead and \$200,000 in annual savings per deployment.

Nov 2025- Jan 2025

Co-led the end-to-end architecture of a production-grade LangGraph multi-agent pipeline on Azure (AI Search, Document Intelligence, Logic Apps) utilizing GPT-4o to automate massive data synthesis. Engineered the core agent orchestration, dynamic routing loops, and post-processing modules to generate comprehensive ≈200-page analytical reports. Successfully compressed the end-to-end reporting cycle from an intensive 800+ manual hours down to just 4–6 hours of autonomous execution, resulting in a 95%+ reduction in operational latency and an estimated \$1.5M–\$2.5M in annual cost savings and value enablement for the client.

May 2026 - Present

Architected a production-grade multi-agent onboarding ecosystem built on the LangChain framework to automate end-to-end employee lifecycle provisioning. Engineered a sophisticated orchestration loop integrating numerous Model Context Protocol (MCP) tools to seamlessly bridge enterprise databases, HR systems, and communication channels. Designed specialized agents that autonomously synthesize highly customized role-specific handbooks and dynamically deploy personalized interactive training chatbots based on user profiles. By transitioning from manual coordination to this autonomous pipeline, compressed onboarding cycle times from several days to under an hour, yielding a 40% reduction in administrative overhead and \$150,000 in simulated annual operational savings.

Senior Software Developer - TTEC(SERENDEBYTE INC.,)

April 2017 - April 2018

Engineered end-to-end Intelligent Document Processing (IDP) pipelines leveraging cognitive extraction tools (IQ Bots) to autonomously parse, classify, and extract critical data points from highly unstructured enterprise documents. Architected API-triggered automation architectures to seamlessly integrate machine learning-based extraction modules with core enterprise platforms (Pega 7.x/8.x), bridging legacy systems with modern cognitive capabilities.

EDUCATION	M.Tech. in Artificial Intelligence and Machine Learning Birla Institute of Technology And Science - Pilani, 2025	B.E. in Electrical and Electronics Engineering Anna University 2018
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- CERTIFICATIONS
- Microsoft Certified AI Product Manager
 - AWS Cloud Solutions Architect
 - Google Advanced Data Analytics
 - ADaSci Certified : Full Stack GenAI Engineering
 - ADaSci Certified Generative AI: Prompt Engineering for AI Engineers

- Course Certificate- Artificial Intelligence and Deep Learning from IIT Roorkee
 - ADaSci Certified Generative AI: Generative AI Engineer
 - PEGA Certified Senior System Architect (PCSSA)
 - PEGA Certified Robotics System Architect (PCRSA)