

ANJALI Bisht

Sr. AI/ML Engineer

📍 Bengaluru |

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Profile Summary

- AI/ML Engineer with over 2 year of hands-on experience in developing, training, and deploying machine learning models.
- Demonstrated expertise in developing, fine-tuning, and deploying advanced machine learning models for a wide range of applications, including natural language processing, image recognition, and autonomous decision-making systems.
- Implemented diffusion models to generate the image as per user need.
- Implemented NLP tasks such as text classification, sentiment analysis, and language generation, optimizing for accuracy and performance.
- Specialized in **Retrieval-Augmented Generation (RAG)** pipelines, with expertise in model fine-tuning, inferencing and Prompt Engineering for various use cases.
- Worked with diverse Large Language Models (**LLMs**) and Vision-Language Models (VLMs).
- Skilled in creating **Intelligent agents** using LangChain, LangGraph, and CrewAI for automated decision-making and task execution.
- Experienced with Transformers, Hugging Face, PyTorch, and TensorFlow for building, fine-tuning, and deploying GenAI models.
- Strong experience in deep learning, including building and optimizing models for various AI applications.
- Developed and deployed rest APIs using Flask for efficient integration and model serving.
- Deployed and managed **MCP server** and MCP tools to handle multi-step conversational context and model interactions for creating a React agent using Langgraph.

Experience Summary

Having 2+ years professional experience in the Generative AI.

Organization	Month & Year		Role	Specialization Area
	From	To		
Deloitte	Jan 2026	Present	Sr. Software Engineer	Generative AI, Responsible AI
Capgemini Engineering	Dec 2023	May 2025	Software Engineer	Generative AI, LLMs, AI Agents, Machine Learning & NLP

Education

Bachelor of Technology in computer science and Eengineering

Graphic Era Hill University, Uttarakhane

GPA: 8.8/10.0

Year of passing : 2023

Technical Skills

- **Language:** C, Python, MySQL, C++, OOPs.
- **Machine Learning & Deep Learning:** AI Model Framework Development, Model Training, Model Inference, Model Optimization and Model Deployment.
- **GenAI:** OpenAI, Transformers, LLMs, VLMs, RAG, Prompt Engineering, Agentic AI, Fine Tuning and Adaptation (LoRA, QLoRA, and PEFT), MCP (Model Context Protocol).
- **Agentic Frameworks:** CrewAI, LangGraph, Langchain, Strands, Autogen.
- **Reinforcement Learning:** RLHF, Reward Training.
- **Computer Vision:** Object Detection, Segmentation, Image Classification.
- **Cloud Computing:** AWS (Amazon Bedrock) AZURE (Azure Data Lake Storage, Keyvault).
- **Cloud/Deployment:** Docker, Kubernetes
- **Tools:** Git, Jira, Jupyter Notebooks, Visual Studio.

Project Experience

Project Name	Semicon Chatbot
Role	Developer

Responsibilities:

- Created a chatbot for a Semicon client using shared documents to facilitate effective communication using LLAMA 3.1 8b model.
- Fine-tuned the model based on the provided documentation to enhance its capabilities.
- Utilized Retrieval-Augmented Generation (RAG) to enhance the chatbot's performance and ensure it met client expectations.
- Developed REST APIs and designed the user interface for seamless interaction.
- Successfully completed the end-to-end project and delivered it to the client, meeting all requirements and deadlines.

Project Name	Multi agent Systems with Langgraph Framework
Role	Developer

Responsibilities:

- Worked on the Multi agent systems for Gyan.
- Implemented Multiple autonomous customised agents using langgraph, including sequential, parallel, aggregator, hybrid, hierarchical, router, network process agents to handle diverse tasks as per user stories.
- Built specialised agents such as Reward agent and Code agent.
- Leveraged Langgraph's stateful graph-based architecture to manage agent memory and tool usage efficiently.

- Completed the project successfully, meeting the expectations and requirements.

Project Name	Conversational AI
Role	Developer

Responsibilities:

- Contributed to an in-house project for the GYAN platform focused on making Agentic Platform.
- Developed conversational AI agent using langchain integrated with search tools to handle dynamic user queries and perform multi-step reasoning.
- Engineered the agent to autonomously generate PowerPoint presentations based on user provided topics, leveraging LLMs for content generation.
- Applied prompt engineering techniques to achieve desired results.
- Design, build and maintain scalable and reliable MLOps.
- Develop and implement CI/CD pipeline for ML models.

Project Name	RLHF framework for Alpha
Role	Developer

Responsibilities:

- Contributed to an in-house project for the GYAN platform focused on making RLHF pipeline.
- Designed and implemented a scalable RLHF pipeline integrating PPO to fine tune LLMs bases on human feedback
- Developed reward modeling components to align model outputs with human preferences using curated datasets.
- Automated data preprocessing, reward signal generation, and model evaluation within the pipeline.
- Achieved significant improvements in model alignment, validated through both evaluation metrics and human evaluations.

Project Name	Ericsson
Role	Developer

Responsibilities:

- Designed and developed custom **LangChain agents** to streamline and automate workflows, improving tool interaction and execution.
- Migrated and modernized existing tools from **MCP (Model Context Protocol)** to **LangChain-compatible tools** or vice-versa, enabling better integration with LLMs and dynamic workflows.
- Built and implemented **Agentic Memory Workflows** to allow context-aware reasoning, memory retention, and improved conversational capabilities for agents.
- Designed and implemented **Agent-to-Agent (A2A) communication framework** enabling intelligent agents to interact autonomously and collaborate on tasks.

- Developed a modular **Agent Card system** to encapsulate agent metadata (e.g., name, role, tools), enhancing dynamic agent orchestration and interoperability.

Certifications/Achievements

- Achieved certification on Deep and Machine Learning (Coursera)
- Achieved Advance Proficiency Level Certification on Python(coursera)
- Achieved certificataion on Agents in CrewAi (Deep Learning)
- Achieved certificataion on Agents in Langgraph (Deep Learning)
- Achieved Certification on ACP (Deep Learning)
- Got WOW award for rapid learning agility, consistently meeting project deadlines and delivering quality result
- Authored a research paper on Optimizing RLHF with PPO