# NANDISH MS

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AI Engineer | GenAI Engineer | LLM Engineer

## PROFESSIONAL SUMMARY

Technical AI Research Analyst with 1 year of experience in Prompt Engineering, AI Evaluation, Agentic AI systems, and Large Language Models (LLMs). Experienced in designing and optimizing prompts, evaluating model behavior, improving reasoning quality, reducing hallucinations, and benchmarking LLM performance. Hands-on experience building Generative AI applications using Python, LangChain, FastAPI, Google ADK, Retrieval-Augmented Generation (RAG), and LLM APIs, with a strong interest in developing production-style AI systems and multi-agent workflows.

## TECHNICAL SKILLS

- Programming: Python, TypeScript, C, SQL.
- Generative AI: Prompt Engineering, Prompt Optimization, Few-shot & Zero-shot Prompting, Chain-of-Thought (CoT), Context Engineering, AI Evaluation, Response Benchmarking, Hallucination Reduction, Model Behavior Analysis.
- LLMs & Agentic AI: LangChain, Google ADK, Agentic AI, Multi-Agent Systems, Retrieval-Augmented Generation (RAG), Workflow Orchestration, Human-in-the-Loop (HITL).
- AI Models: Gemini 2.5 Flash, Llama 3.x, Groq-hosted Models.
- Backend: FastAPI, Streamlit.
- Frontend: React.js, Next.js, Tailwind CSS.
- Databases & Vector Search: SQLite, FAISS, Gemini Embeddings.
- Tools: Git, GitHub, ReportLab.

## PROFESSIONAL EXPERIENCE

Technical AI Research Analyst — June 2025 – Present
*Keywords Studios, Bengaluru*

- Led prompt engineering initiatives and AI evaluation workflows for Agentic AI systems while mentoring Research Associates on prompt design, evaluation methodologies, and quality standards.
- Designed, tested, and optimized prompts using Few-shot, Zero-shot, and Chain-of-Thought (CoT) prompting techniques to improve reasoning quality, contextual understanding, and response reliability.
- Evaluated LLM outputs by identifying reasoning gaps, hallucinations, prompt deficiencies, and optimization opportunities through systematic benchmarking and iterative refinement.
- Applied prompt optimization, context engineering, response evaluation, and model behavior analysis techniques to enhance AI system performance across multiple use cases.
- Collaborated with Senior Engineers and cross-functional teams to troubleshoot AI system behaviors, optimize prompt workflows, and improve model quality.
- Contributed to the training and evaluation of Agentic AI systems through dataset validation, AI response testing, quality assurance, and continuous feedback-driven improvements.
- Developed prompt evaluation strategies and shared best practices to improve AI model consistency, response quality, and project-wide evaluation standards.

## PROJECTS

Enterprise Multi-Agent RAG Assistant
Python | FastAPI | Google ADK | Gemini 2.5 Flash | React | Next.js | SQLite | FAISS

- Built a production-style Multi-Agent Retrieval-Augmented Generation (RAG) application comprising Researcher, Writer, Fact-Checker, and Editor agents coordinated through a centralized orchestration layer.
- Implemented a RAG pipeline using Gemini embeddings and FAISS for semantic retrieval, enabling context-aware content generation and evidence-backed fact verification.
- Developed an iterative self-correction workflow where unsupported claims identified by the Fact-Checker are automatically routed back to the Writer until validation passes, improving response reliability.
- Developed a full-stack AI application using FastAPI, React, Next.js, SQLite, and Google ADK supporting Human-in-the-Loop (HITL) validation and Markdown/PDF export for publication-ready documents.

AI Study Planner Pro
Python | Streamlit | LangChain | Groq API | ReportLab

- Developed an AI-powered educational assistant that generates personalized study plans, lesson plans, quizzes, and flashcards using Groq API with Llama 3.x models.
- Built modular LangChain-based prompt workflows with reusable prompt templates, session-state management, and downloadable PDF/Markdown exports.
- Designed a scalable architecture separating UI, prompt management, LLM integration, and document generation for improved maintainability and extensibility.

## EDUCATION

BCA (***Bachelor of Computer Applications***) – SJR College of Science, Arts, and Commerce — July 2021 – October 2024
*CGPA:* ***9.49*** | Bengaluru City University

## ACHIEVEMENTS

- Received "Star Performer" Award (August & October) at Keywords Studios for consistently exceeding AI evaluation quality benchmarks.
- Actively engaged in "Google Cloud Arcade Game" achieving Diamond League Rank with 124,515+ points.
- Successfully completed the "30 Days of Code" challenge on Hacker Rank.