Animesh Mathur

AI Architect and Lead Data Scientist

Gurugram, India

+91-8546830656

animeshmathur1307@gmail.com

https://www.linkedin.com/in/animeshmathur92/

Professional Summary

AI Architect and Lead Data Scientist with 10 years of experience across AI, data science and software engineering. Currently part of an Applied AI practice, specializing in Generative AI, Recommendation Systems, and Predictive Analytics. Proven success in delivering enterprise-grade AI solutions that enhance business workflows and strategic outcomes. Industry exposure includes healthcare, life sciences, QSR, e-commerce, and entertainment. Strong foundation in full-stack development with hands-on expertise in LLMs, cloud platforms, and modern deployment practices.

Skills & Technical Proficiencies

Core AI Expertise:

- Generative AI: Agentic workflows, RAG systems, Chatbots
- Recommendation Systems
- Predictive Modeling

GenAI Tools and Frameworks:

- LLMs: OpenAI, Llama, etc.
- Vector Stores: FAISS, Chroma, OpenSearch, Azure AI Search
- Agentic AI: LangGraph, AutoGen, CrewAI
- Prompt Engineering - LangChain, LlamaIndex
- AWS Bedrock and Azure AI Services

Product Development:

- Backend using Python and NodeJS
- Frontend using Python and JavaScript frameworks
- CI/CD, Microservices, API Design

Cloud & DevOps:

- Platforms: AWS, Azure
- Serverless Architectures, AI Services
- Docker, Jenkins, Azure Pipelines

Work Experience

Senior Consultant - AI Architect & Lead Data Scientist

Deloitte Consulting (USI), Gurugram | Oct 2017 - Present

- Lead AI and Data Science projects, acting as both architect and hands-on expert across the solution lifecycle.
- Define project timelines, perform technical feasibility assessments, and drive estimations and planning.
- Collaborate directly with clients for requirement gathering, RFP responses, and rapid POC

development.

- Delivered solutions using Generative AI (Agentic workflows, RAG-based systems),
- Recommendation Systems and Predictive Analytics.
- Contributed to internal firm initiatives aimed at expanding AI capabilities and offerings.

Software Engineer – Application Developer

CGI, Bangalore | Feb 2015 - Oct 2017

- Developed full-stack applications, handling backend APIs, frontend interfaces, and database integrations.
- Participated in the complete software development lifecycle including design, testing, and deployment.
- Worked with cross-functional teams to deliver scalable enterprise applications.

Education

M.Tech - Data Science and Engineering
BITS Pilani | 2021 – 2023

B.E. - Computer Science Engineering
ITM Universe, Gwalior | 2010 – 2014

Selected Project Highlights

GenAI Solutions powered by Agentic AI and RAG:

- Developed autonomous multi-agent systems for complex task execution using large language models (LLMs) like OpenAI and Llama, integrated with robust APIs and reasoning workflows. Utilized agentic frmeworks and prompt engineering tools like LangGraph, AutoGen, CrewAI, LangChain, etc.

- Implemented Retrieval-Augmented Generation (RAG) pipelines combined with enterprise knowledge bases to build intelligent, personalized assistants capable of natural language understanding and contextual responses.

Personalized Recommendation Systems:

- Engineered data-driven product recommendation engines leveraging collaborative filtering, content-based filtering, and hybrid methods.

- Utilized machine learning algorithms such as matrix factorization, nearest neighbor models, and deep learning techniques to tailor recommendations for quick-service restaurants (QSR) and e-commerce platforms.

- Streamlined deployment with scalable cloud infrastructure ensuring real-time processing and responsiveness.

Cloud-native AI Workflows:

- Architected and deployed scalable serverless solutions using Docker containers, Kubernetes orchestration, and cloud-native tools like AWS Lambda and Azure Functions.
- Utilized automated CI/CD pipelines with Jenkins and Azure Pipelines to facilitate seamless integration and continuous deployment of AI-driven workflows.
- Ensured high availability and fault tolerance through robust monitoring and logging practices.