



SHIVANSHU KUMAR ANAND

AI Solutions Lead / Associate AI Architect (GenAI/Agentic AI)

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PROFESSIONAL SUMMARY

Visionary AI Solutions Architect with 10+ years of hands-on experience in architecting, governing, and scaling AI delivery practices across Generative AI, Agentic AI, and applied ML engagements. Deep expertise in end-to-end GenAI solution architecture, LLM workflow orchestrations (LangGraph, LangChain), and deploying multimodal agentic systems and SLM-based deployments.

PROFESSIONAL EXPERIENCE

Senior Engineer (Lead)

May 2022 - July 2026

Apexon • Bangalore, India

- Architected and delivered end-to-end Generative AI solutions, building a RAG AI system leveraging LangChain and LLMs for real-time intelligent search.
- Designed and deployed an enterprise retrieval system/AI search engine with Elasticsearch, optimizing vector indexing and semantic search.
- Established MLOps principles by creating RESTful APIs using FastAPI and deploying scalable AI microservices on AWS/Azure.
- Drove architectural decisions for GenAI systems, including trade-off analysis on model selection (frontier vs. SLM) and defining patterns for agentic orchestration, persistent memory, and tool use.
- Implemented and enforced production quality standards, designing evaluation frameworks, red-teaming protocols, and guardrails for hallucination control in high-stakes GenAI deployments.
- Led a 30-member team developing scalable full-stack administrative panels using Next.js, React, and Django.

Senior Software Developer

Aug 2021 - Feb 2022

Times Internet Ltd. • Noida, India

- Collaborated with AI teams to implement UI components for ML-based user suggestions, social feed ranking, and profile scoring algorithms.
- Integrated basic NLP models for content moderation and user profiling.

Lead Frontend Developer

Oct 2020 - Jul 2021

MikeLegal Services • Gurugram, India

CORE SKILLS

Agentic Systems

Multi-Agent Orchestration

LangGraph / LangChain

Generative AI & SLMs

Fine-Tuning (SFT, LoRA)

RAG / Agentic RAG

Eval & Guardrails

Elasticsearch

Knowledge Graphs

MLOps / GenAIOps

Python / FastAPI

Next.js / TypeScript

EDUCATION

M.Tech in Advanced Networks (specialized in AI)

IIIT Gwalior • 2017 - 2019

B.Tech in Computer Science

Graphic Era Deemed University • 2012 - 2016

RESEARCH PUBLICATIONS

- Hematological Malignancies:**
Employed GANs for synthetic data generation and enhanced class-specific classification.
- EEG-Based Diagnosis:**
Proposed CNN-ASD model for Autism Spectrum Disorder classification using CWT.

- Contributed to the architecture of DocuSieve 1.0, incorporating NLP-based search and classification for legal document analysis.
- Participated in refining OCR and text extraction pipelines for data transformation.

React Developer**Apr 2020 - Sep 2020**

Okoders • Gurugram, India

- Led development of an educational AI chatbot that used intent classification and context-aware dialogues.
- Worked on facial emotion detection using CNNs for real-time content delivery.

Co-founder & Frontend Engineer**Feb 2015 - Mar 2020**

Vaidik Technologies • Dehradun, India

- Led design and implementation of AI recommendation engines for personalized learning.
- Built and deployed facial recognition logins using OpenCV and custom CNN models.

CERTIFICATIONS

 Machine Learning Certification**HOBBIES**

 Chess |  Badminton