

# NISHANT MODI

Principal Architect | Tech Lead • GenAI & Distributed Ecosystems

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A visionary orchestrator of digital complexity with over a decade of experience bridging the gap between bleeding-edge GenAI research and enterprise-grade reality. Specializing in autonomous agentic intelligence, high-concurrency Python architectures, and cloud-native ecosystems for Fortune 500 clients.

## CORE EXPERTISE

### GenAI & Agentic AI

LangChain   RAG   LLM Tool-Calling  
Vertex AI   Gemini   OpenAI

### Backend & Distributed Systems

Python   FastAPI   Django   Flask  
Concurrency   Microservices

### Infrastructure & Cloud

GCP   AWS   Kubernetes   Docker  
Terraform   CI/CD

### Architecture & Leadership

Technical Vision   Team Mentorship  
POC-to-Production   Systems Thinking

## PROFESSIONAL EXPERIENCE

### Globant Solutions

2021 — Present

#### Technical Lead (GenAI Focus)

- Architected GenAI infrastructure powering Deloitte's global analytical intelligence.
- Managing an elite squad of engineers to harden POCs into production-grade assets for Fortune 500 clients.
- Integrated LLMs into core Python development cycles achieving a 30% increase in deployment velocity.

### Xoriant Solutions

2014 — 2021

#### Senior Software Engineer

- Led automation initiatives for Hitachi Deployment Manager, deploying nodes globally using VMware APIs.
- Architected Python-Oracle middleware for Cisco Systems, optimizing complex version control workflows.
- Engineered investment automation for high-volume users at Lending Club to maximize portfolio yield.

KEY PROJECTS & TECHNICAL IMPACT

WINGMAN (NL2SQL Intelligence)

Vertex AI    LangChain    PgVector    RAG

A revolutionary natural language interface granting analysts power to converse with massive datasets. Adopted as the primary intelligence layer at Deloitte.

- Implemented advanced RAG patterns for accurate schema mapping and query generation.
- Reduced report generation time from hours to seconds through automated SQL synthesis.

VOICE AI (Conversational Agent)

AWS Nova Sonic 2    OpenAI    Twilio    Redis

A conversational bot with emotional intelligence, replacing enterprise call-center logic with automated reasoning.

- Orchestrated low-latency audio streams for near-instant human-like response times.
- Enhanced customer engagement by bridging human empathy with automated decision-making.

VALUED (High-Speed Valuation Engine)

FastAPI    Pandas    Celery    Concurrency

A valuation engine utilizing Pythonic concurrency to automate complex financial modeling globally.

- Engineered high-throughput processing pipelines for millisecond-precision financial calculations.
- Streamlined global valuation services, significantly reducing manual overhead.

HITACHI OPS (Infrastructure Automation)

Docker    Python    VMware API    Bash

Automated configuration and deployment of mission-critical Datastore nodes globally.

- Achieved zero-touch deployment for global data centers via custom OVA scripts.
- Implemented rigorous security hardening for CentOS/Linux environments.

CERTIFICATIONS

Generative AI Leader Certification  
AI Agents Fundamentals

Google Cloud • 2025  
Hugging Face • 2025