

DEEPAK GUPTA

Corporate Trainer | Mentor | Consultant
AI • GenAI • Agentic AI • .NET • Azure • Integration • Retail IT • Data & BI

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Bangalore, India | Remote / Onsite - Corporate Delivery |



BRAND POSITIONING: With **20+ years**, I help organizations convert complex technology into practical capability through project-oriented training, guided implementation and enterprise-context mentoring.

EXPERIENCE 20Years+

Executive Consultant & Senior Corporate Trainer Independent / Freelance

• **AI, GenAI, Agentic AI, Python, Azure**, integration, data and enterprise application engineering enablement.

Director - Corporate Training TUP Make ProSol Pvt. Ltd.

• Corporate training strategy, curriculum design, audience assessment, delivery governance and structured skill roadmaps.

Corporate Training Consultant Freelance / TUP

• Project-based Microsoft Stack, Java, Android, POC-led training content and leadership impact programs.

e-Retail IT Team Lead / Developer Tesco Thailand Lotus/Fresh & Easy U S A / Tesco HSC

• Retail integration, e-learning standards, documentation, user manuals and delivery support for retail technology teams.

CORE DOMAIN LENS

Retail IT • BFSI • Supply Chain • E-commerce • Integration • Data / BI • Governance • Enterprise **AI Adoption**

MOST PROUD OF Mentoring

• Guiding developers, trainers, managers and business teams toward clear, practical technology learning paths.

Practical AI Enablement

• Turning **AI, ML, LLM, RAG and Agentic AI** concepts into demos, labs, checklists and enterprise workflows.

Enterprise Engineering Depth

• Blending **AI-first** enablement with **.NET, Azure, BizTalk, SQL, integration** and architecture context.

Domain-Based Training

• Using realistic retail, BFSI, supply chain, data and operational scenarios rather than generic theory.

Future-Ready Consulting

• Helping clients identify what to learn, how to apply it and how to make teams confident with new technologies.

SIGNATURE TRAINER-CONSULTANT EDGE

• Training strategy + hands-on labs + guided implementation
• **AI-first capability building with enterprise engineering grounding**
• Custom TOCs, participant-level mapping and reusable learning assets
• Comfortable with developers, architects and business stakeholders



MY TIME

- 55% Corporate training & consulting
- 25% Future strategy & **AI adoption**
- 20% Working with partners / clients

TRAINING FORTE

Corporate programs, leadership enablement, learning paths

CONSULTING FORTE

Use-case discovery, roadmap thinking, guided adoption

ENGINEERING FORTE

AI/ML/LLM/Agentic AI with .NET, Azure and integration depth

EXECUTIVE PROFILE

Senior corporate trainer, mentor and enterprise technology consultant with **20+ years** across **AI, Machine Learning, LLM / GenAI, Agentic AI** and **Blockchain** enablement, along with technology training, retail IT, Microsoft **.NET** engineering, **BizTalk / integration** and **Azure**. Known for converting complex technology topics into practical, project-oriented learning journeys for developers, architects, managers and business teams. Strong blend of hands-on engineering depth, curriculum design, enterprise domain understanding and pragmatic delivery from Day 1.

Brand promise: converting technology learning into practical engineering capability through fundamentals, enterprise context, real project orientation and guided implementation.

Training Strategy Needs analysis, skill assessment, curriculum design, learning roadmaps and structured delivery plans.	Hands-on AI Engineering AI/ML demos, LLM workflows, RAG prototypes, agentic workflows, prompt labs, Python implementation and .NET integration where required.	AI / ML / LLM / Agentic AI Enablement AI fundamentals, ML, Prompt engineering, Claude, ChatGPT, Copilot, RAG, LangChain / LangGraph, MCP and AI-assisted SDLC.	Domain Context Retail IT, BFSI , supply chain, e-commerce, integration, data, BI, governance, compliance and operational technology contexts.
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CORPORATE CLIENT EXPOSURE

Vodafone	Mercedes	GenSpark	Wipro
Tesco / Tesco Retail UK	ANZ	Indegene	Viteos
AAC CA Firm	NSB	Samsung Th	Pyramid
Oracle	Mphasis	Mahindra Satyam	Lotus IT Thailand

TOP CAPABILITY SNAPSHOT

Capability Area	Relevant Strengths
Artificial Intelligence	AI fundamentals , problem framing, search concepts, neural network orientation, responsible AI and enterprise use-case mapping .
Machine Learning	Supervised / unsupervised learning, regression, classification, decision trees, SVM, Naive Bayes, ML statistics and business model thinking.
LLM / GenAI	LLM foundations, prompt engineering, context windows, structured outputs, embeddings, RAG, vector databases and enterprise GenAI adoption .
Agentic AI & AI-assisted SDLC	Agent architecture, tool/function calling, memory, planning, reasoning, LangChain, LangGraph, MCP, Claude Code, Copilot and Cursor workflows.
Blockchain & Enterprise Web3	Blockchain fundamentals, distributed ledger concepts, smart contract awareness, tokenization, wallets, audit trails, reconciliation thinking and enterprise blockchain / Web3 training readiness.
Data Engineering with AI / ML / Agentic AI	Data ingestion, transformation, analytics, feature-oriented preparation, vector-ready document workflows, AI-enabled data engineering and BFSI / retail reporting discussions .

SIGNATURE TRAINING & CONSULTING PROPOSITION

- Designs training as an implementation journey: concept → demo → hands-on lab → enterprise scenario → review → reusable checklist.
- Comfortable with mixed audiences: entry-level developers, lateral hires, senior engineers, managers, architects and business stakeholders.
- Strong at translating client objectives into day-wise TOC, tool mapping, lab setup, examples, templates and measurable skill outcomes.
- Blends established enterprise skills (.NET, Azure, BizTalk, SQL, Retail IT) with modern AI enablement (**GenAI, Agentic AI, RAG, Copilot and Claude workflows**).
- Uses project-oriented delivery so participants can apply learning from the first session rather than only learning theory.

AI / GENAI / AGENTIC AI ENABLEMENT

Capability Area	Relevant Strengths
AI Foundations	AI concepts, enterprise AI orientation, problem framing, search and reasoning basics, use-case mapping, implementation thinking and responsible adoption.
Machine Learning & Statistics	Regression, classification, clustering orientation, supervised / unsupervised learning, ML intuition, evaluation, statistics, probability, variance, standard deviation and practical business interpretation.
Deep Learning & Neural Networks	Neural network formulation, deep learning concepts, CNN orientation, auto-encoders, dimensionality reduction, TensorFlow and PyTorch orientation for applied training.
LLM & Prompt Engineering	Tokens, context windows, temperature, hallucination control, structured outputs, role prompts, task decomposition, few-shot patterns, evaluation prompts and reusable prompt templates.
RAG & Vector Knowledge Workflows	Embeddings, document processing, vector database orientation, ChromaDB, retrieval flow, context injection, chatbot integration and knowledge-assistant design.
Agentic AI Architecture	Agent architecture, planning, reasoning, memory, tool / function calling, external system integration, multi-step workflows, error handling and guardrails.
Agentic AI Pipeline	NLP, Transformers & LLMs, LangChain prompt templates, tool calling, conversation memory, document processing, local models, chatbot + RAG + tools integration.
MCP, LangChain & LangGraph	MCP concepts, LangChain, LangGraph, RAG-based workflows, orchestration patterns and AI-assisted SDLC practices for enterprise software delivery.
AI in Development	AI-assisted coding , working with existing codebases, system design support, refactoring, code optimization, testing, QA, documentation and developer productivity workflows.
Claude / OpenAI / Copilot Ecosystem	Claude, Claude Sonnet, Claude Code, ChatGPT, GitHub Copilot, Cursor and AI-assisted tools for coding, debugging, architecture planning and workflow automation.
AI / ML / Agentic AI for Data Engineering	SQL, Python and cloud data services for ingestion, transformation, analytics support, vector-ready pipelines, AI-ready data preparation and data workflow automation discussions.
Enterprise Use Cases	AI for software engineering, retail operations, BFSI, retail banking, document understanding, knowledge assistants, workflow automation, fraud / anomaly orientation, support productivity and business enablement.

.NET, AZURE & SOFTWARE ENGINEERING DEPTH

Capability Area	Relevant Strengths
C# & Core Engineering	C# language, OOP, interfaces, events / delegates, LINQ, extension methods, asynchronous programming and concurrent collections.
ASP.NET & API Development	ASP.NET MVC, ASP.NET Core, Web API, EF Core, validation, security, Razor, AJAX and application deployment patterns.
Architecture & Patterns	Clean Architecture, CQRS, MediatR, AutoMapper, FluentValidation, infrastructure separation, persistence layer and API boundaries.
Blazor & Front-end Integration	Blazor WebAssembly / Server / Web App, Razor components, REST service integration, validation, security and JavaScript interop.
Azure for .NET	Azure App Services , deployment slots, Azure Functions, API Management, Service Bus and cloud-native delivery patterns for enterprise .NET applications.
Testing & Engineering Productivity	NUnit orientation, structured debugging, project-based implementation, reusable examples and AI-assisted productivity workflows for software teams .

ENTERPRISE INTEGRATION, RETAIL & DATA

Capability Area	Relevant Strengths
Enterprise Integration	BizTalk Server consulting and training exposure across versions, including schemas, maps, orchestrations, pipelines, adapters, BRE, BAM, deployment and troubleshooting.
Retail IT Domain	Retail IT experience across merchandising, stock, item, ordering, supplier systems, price & promotion, e-commerce, store operations and supply chain workflows.
Data, BI & Databases	SQL Server, MongoDB, MySQL, query optimization, triggers, stored procedures, indexing, JSON / XML / temporal data, Power BI, Tableau and MSBI reporting stack.
Data Engineering with AI / ML / Agentic AI	Data preparation, pipeline thinking, analytics support, SQL / Python-based data handling, vector-ready workflows and AI-assisted data engineering discussions .
Governance, Privacy & Compliance	Data privacy and governance awareness including GDPR, HIPAA, ISO 27701, audit, compliance and data protection implementation concepts.
BFSI, Retail Banking & Payments	Customer, account, deposit, loan, payment, card, transaction, digital channel, reconciliation, risk, KYC / AML awareness, audit and reporting workflow orientation.
Blockchain for Enterprise & BFSI	Trusted records, tokenization, smart contract workflows, auditability, settlement, reconciliation, document verification, KYC data sharing concepts and regulated-industry use cases.
Functional Training Approach	Business process to system flow: process map, actors, master data, transaction lifecycle, exception handling, controls, reports, hands-on scenarios and domain-to-technology bridge.

TOOLS & PLATFORMS

Ollama	LangChain	LangGraph	ChromaDB	TensorFlow
Claude	ChatGPT	GitHub Copilot	Cursor	Azure App Services
C#	ASP.NET Core	Blazor	EF Core	MediatR
AutoMapper	SQL Server	MongoDB	Python	PyTorch
Azure Functions	Azure API Management	Azure Service Bus	BizTalk Server	Power BI
Tableau	MS Project	NUnit	Docker Concepts	JavaScript
TypeScript	Angular	React	Node.js	Blockchain

PROFESSIONAL EXPERIENCE

Executive Consultant & Senior Corporate Trainer | **Independent / Freelance** | *Dec 2020 - Present*

- Deliver corporate technology training, mentoring and consulting across **AI, Machine Learning, LLM / GenAI, Agentic AI, Python, RAG, AI-assisted SDLC, .NET, Azure, integration, data and enterprise application engineering**.
- Prepare client-specific TOCs, hands-on labs, examples, project walkthroughs and skill development paths aligned with participant level and business outcomes.
- Mentor participants on practical implementation, debugging, architecture thinking, productivity workflows and real-world adoption of technology.

Director - Corporate Training | **TUP Make ProSol Pvt. Ltd.** | *Dec 2017 - Dec 2020*

- Led technology and management training engagements across **.NET, Java, MSBI, web technologies, BizTalk** and SharePoint.
- Owned curriculum design, audience assessment, training strategy, project-based delivery and quality of instructional execution.
- Built structured training plans with goals, timelines, content flow and delivery methods aligned with organizational skill needs.

Corporate Training Consultant | **Freelance / TUP** | *Oct 2014 - Dec 2017*

- Delivered and managed project-based Microsoft Stack, Java and Android training programs.
- Developed and audited training content, prepared POCs and improved delivery approach for better participant adoption.
- Supported leadership impact training and practical skill enhancement programs.

P S E | **TESCO** | *Aug 2011 - Oct 2014*

- Delivered project-based Microsoft Stack training and led teams supporting website, intranet, BI and UI development initiatives.
- Contributed to quality design process standards and SLA improvements for the Creative Studio.

Integration S. S. E. | **TESCO Lotus IT Thailand** | *Jun 2010 - Aug 2011*

- Supported Retail IT implementation and deployment training, client interaction, SLA / OLA management and process quality improvements.
- Enabled learning and development for Retail IT teams in an international operating environment.

e-Retail IT | **Tesco Fresh & Easy U S A** | *Nov 2007 - Jun 2010*

- Worked on integration technology products and learning enablement for technology teams.
- Coordinated with teams for learning, development and delivery support across e-retail IT contexts.

Developer / Retail IT | **Tesco HSC** | *Nov 2006 - Nov 2007*

- Worked with e-learning platforms and standards including AICC, Saba and SCORM; created courses, documentation, user manuals and help materials.
- Coordinated with vendors and internal teams to deliver learning assets under critical deadlines.

DETAILED CAPABILITY MATRIX

Capability Area	Relevant Strengths
Python Programming - Basic & Advanced	Python basics, types, variables, expressions, dictionaries, OOP, file I/O, exceptions, regular expressions, functions, modules, functional programming, concurrency, parallelism, asynchronous programming, testing and deployment.
Python for ML / NLP	Supervised and unsupervised learning, regression, classification, decision trees, SVM, Naive Bayes, NLP orientation, data preparation and practical ML implementation using Python .
Artificial Intelligence & Smart Tech	Problem solving, search, neural networks, machine interaction, concept analogy, problem quantification, operations research, cognitive architecture orientation and enterprise AI use cases .
Machine Learning - Business & Technology	Regression algorithms, instance-based algorithms, KNN, decision trees, data mining, statistical approach, PERT / CPM orientation, graph implementation and business application across financial services, retail and marketing.
Deep Learning & Neural Networks	Deep learning concepts including CNN orientation, deep belief / Boltzmann networks, auto-encoders, dimensionality reduction, neural network formulation and derivative intuition for training programs.
Agentic AI, RAG & MCP	LLM core understanding, agent architecture, prompt engineering for agents, tools and function calling, memory, RAG, planning, reasoning, multi-agent workflows, guardrails, observability, LangChain, LangGraph and MCP concepts .
AI-assisted SDLC & Developer Productivity	AI-assisted coding, existing codebase analysis, system design, refactoring, code optimization, testing and QA using AI, Claude Code, ChatGPT, GitHub Copilot, Cursor and documentation workflows.
IoT & Azure IoT	IoT integration, home automation, Azure IoT services, IoT Hub, device simulator, service bus queues, IoT remote monitoring, IoT Edge concepts, alerts, filters and IoT data management fundamentals.
.NET, C# & ASP.NET	C# , OOP, interfaces, events, delegates, LINQ, extension methods, ASP.NET MVC, ASP.NET Core, Web API, Razor, AJAX, EF Core, Blazor, WCF, WPF and .NET application deployment patterns .
.NET Clean Architecture & Testing	SOLID, Clean Architecture , CQRS, Mediatr, AutoMapper, FluentValidation, infrastructure separation, persistence layer, validation, custom exceptions, API boundaries, NUnit and integration testing orientation.
Blazor / MAUI / Modern .NET UI	Blazor WebAssembly, Server and Web App, Razor components, REST integration, validation, security, JavaScript interop, MAUI architecture, XAML, app lifecycle, data binding and migration orientation.
Enterprise Integration - BizTalk	BizTalk Server architecture, installation, schemas, maps, orchestrations, pipelines, adapters, BRE, BAM, deployment, administration, scalability, high availability, security, troubleshooting and enterprise integration best practices.
Azure Cloud & API Management	Azure App Service, deployment slots, CI/CD, Azure Functions, monitoring, storage, Azure SQL, Cosmos DB, Redis, Service Bus, Event Grid, API Management, API policies, OAuth / OpenID Connect and microservices on Azure.
Data, SQL & Databases	SQL Server , MariaDB, MySQL, MongoDB, query optimization, joins, triggers, stored procedures, indexing, execution plans, dynamic queries, JSON / XML / temporal data, cursors, CTEs and performance tuning.
MongoDB / NoSQL	NoSQL product categories, MongoDB installation, querying, text search, geospatial queries, modifying data, aggregation, map-reduce orientation and NoSQL adoption guidance.

Capability Area	Relevant Strengths
Data Tools, BI & Visualization	SSIS, SSRS, SSAS, Power BI, Tableau, dashboards, reporting, data modeling, query folding, incremental load, data visualization and analytics storytelling for business users.
Project, Ops & AIOps Tools	MS Project, WBS, dependency mapping, critical path, resource levelling, baseline management, variance analysis, EVM, BigPanda, Moogsoft, alert correlation, workflows, MTTR / MTTA dashboards and governance.
Compliance, Privacy & Security	GDPR, HIPAA, COPPA, CCPA, GLBA, PIPEDA, ISO 27701, audit, data protection, privacy law awareness, compliance implementation guidance and security-by-design discussion.
Functional & Domain Training	Oracle Retail / ORMS , merchandising, stock, item, ordering, supplier systems, price and promotion, store operations, customer engagement, e-commerce, omnichannel, supply chain and BFSI context.
Blockchain Fundamentals & DLT	Distributed ledger concepts, blocks, transactions, immutability, hashing orientation, peer-to-peer networks, consensus awareness, public vs private / permissioned blockchain discussion and enterprise adoption patterns.
Smart Contracts, Tokenization & Digital Assets	Smart contract lifecycle orientation, tokenization concepts, wallets, keys, digital assets, mint / burn thinking, asset lifecycle, stable-value / fiat-backed flow discussion and smart contract risk awareness.
Blockchain for BFSI Use Cases	BFSI blockchain scenarios including payments, settlement, reconciliation, trade / transaction auditability, document verification, KYC data sharing concepts, compliance traceability and fraud-reduction orientation.
Blockchain Training Delivery	Training flow from concept to architecture, demo, use case, governance, risk and enterprise adoption; suitable for developers, architects, managers and business stakeholders.
BFSI Domain Orientation	Customers, accounts, deposits, loans, payments, cards, transactions, branch / digital channels, reconciliation, risk, compliance, reporting and customer-service workflows.
Retail Banking Functional Training	Account opening, customer onboarding, KYC, deposits, withdrawals, fund transfers, cards, statements, service requests, loan lifecycle orientation, collections awareness, complaints and operational controls.
Retail / Supply Chain Functional Training	Retail merchandising, item and category flow , stock, order, supplier systems, price and promotion, store operations, e-commerce, omnichannel, warehouse / supply-chain touchpoints and integration with downstream systems.