TRAINER PROFILE · LIVE INSTRUCTOR-LED TRAINING

Dr. Gurinderjeet Kaur

Corporate Technical Trainer & Generative AI Instructor · PhD, Computer Science & Engineering

Brampton, Ontario, Canada · Eastern Time **computergeekacademy.com** **linkedin.com/in/gknatt**
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I train software, data and cloud teams to use **Generative AI productively and safely**, through live, hands-on, instructor-led virtual training: **AI-assisted development** with Cursor and GitHub Copilot, **Agentic AI and RAG**, and **MLOps on AWS**. I build every course myself, with slides, labs, assessments and capstones, and I tailor each one to the client's stack and the team's level.

11+ yrs
in technical education and software development

2,000+ hrs
of instructor-led corporate and academic training

PhD
Computer Science & Engineering, Thapar Institute

4
research publications in deep learning and machine learning

WHY TEAMS AND TRAINING PARTNERS WORK WITH ME

A practitioner, not only a presenter
Machine learning engineer, ML researcher at Sony Research India and Java developer before training full time. I teach what I have built.

Courseware built for your context
Custom syllabus, presentations, hands-on labs, exercises, assessments, case studies and capstone projects mapped to your tools.

North American hours, natively
Based in the Toronto area on Eastern Time. Live classes run in US and Canadian business hours, with no overnight shifts.

Simple to contract
I invoice through my Canadian corporation, ComputerGeek Academy Inc., for contract and corp-to-corp engagements.

TRAINING TRACKS I DELIVER

AI-Assisted Software Development

LEAD TRACK · CURRENTLY DELIVERING

Claude Code, Cursor, GitHub Copilot and ChatGPT for working developers: prompt engineering for code, generating code from requirements, refactoring, AI-assisted debugging, unit-test generation, navigating large enterprise codebases, Git workflows, governance, data privacy and responsible enterprise adoption.

Generative AI & Agentic AI

LLMs, RAG, vector databases, MCP, AI agents and multi-agent systems with LangChain, LangGraph, CrewAI and LlamaIndex; OpenAI, Claude and Gemini APIs.

MLOps & LLMOps on AWS

ML lifecycle, Amazon SageMaker, S3, IAM, CI/CD for ML, model versioning, deployment, monitoring, drift detection and retraining.

AI in Cybersecurity

Threat and anomaly detection, NLP for security logs, Splunk and Microsoft Sentinel integration, adversarial ML and secure AI adoption.

Java Full-Stack Engineering

Core Java, Spring Boot, REST, microservices, Spring Security, JPA, Kafka, PostgreSQL, React, Docker, Kubernetes, CI/CD, Terraform, SAST/DAST.

Data Engineering & Reliability

MongoDB, SQL, PL/SQL, ETL, Informatica, data warehousing; production support, monitoring, incident management and root-cause analysis.

AI, ML & Data Science Foundations

Python, machine learning, deep learning, NLP, computer vision, maths for ML, Spark and Hadoop, taught across a full-year PG diploma.

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DELIVERY FORMATS

Workshop
A few hours to a few days

A focused, hands-on introduction for one team, such as AI-assisted development with Cursor.

Bootcamp
1–12 weeks

Deep skill-building with daily labs and a capstone project on the client's own use case.

Enablement program
Ongoing

Recurring sessions that support a team-wide or company-wide AI rollout.

Live virtual on your platform, in US and Canadian time zones · **Onsite** in the Greater Toronto Area, and elsewhere on request · Direct engagements, or white-label delivery for training partners.

EXPERIENCE

Founder & Lead Corporate Technical Trainer — 2026 – now
ComputerGeek Academy Inc. · Ontario, Canada
Designs and delivers custom instructor-led programs for enterprise clients and working professionals.

Corporate Trainer & Courseware Developer (Contract) — 2026 – now
Innovation in Software · enterprise clients, US
MLOps on AWS, AI in cybersecurity, Cursor and AI-assisted development, Java full stack, data engineering, production support.

Corporate Trainer (Contract) — 2026 – now
SpringPeople
AI-assisted software development with Cursor IDE, Copilot and ChatGPT: hands-on labs and capstones for enterprise developers.

Instructor, PG Diploma in AI & Machine Learning — 2025 – 2026
CIMT College · Ontario, Canada
A full-year program in AI, ML, deep learning, data science and big data, including capstone supervision.

Instructor: Programming, Data Science & AI — 2024 – now
Wiingy

Machine Learning Engineer — 2023 – 2024
NSpark Software LLC · Florida, US
ML models for telecom data automation.

Software Developer Intern & ML Researcher — 2023
Sony Research India · Bengaluru

Lecturer in Computer Science — 2019 – 2023
Thapar Institute of Engineering & Technology
C++, data science and machine learning, for 120+ students per semester.

Assistant Professor & Subject Coordinator — 2015 – 2019
Chandigarh University
C, C++, ML, RPA and DevOps, for 200+ students per semester. RPA workshops for industry professionals were rated 4.8/5.

EDUCATION

PhD, Computer Science & Engineering
Thapar Institute of Engineering & Technology · 2023

M.E. (Hons), Computer Science & Engineering
Chandigarh University · 2015

B.Tech, Computer Science Engineering
Punjab Technical University · 2013

GATE 2013 qualified · UGC NET 2018 qualified

RESEARCH

Four publications on deep learning and machine learning for survival prediction from brain MRI scans.

ALSO TEACHING

Python Software Engineer Bootcamp	8 weeks
AWS Solutions Architect	40 h
Microsoft Azure Administrator	32 h
DevOps with Docker & Kubernetes	36 h
Terraform: Infrastructure as Code	20 h
Python for Data Science	40 h
Generative AI for Professionals	16 h

LANGUAGES

English (full professional) · Hindi · Punjabi

Planning training for your team or your clients?
Contract, freelance and full-time engagements · Rates on request

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Training Paths by Job Role

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Upskilling programs mapped to the **roles companies are hiring for now**. Each path can run as a workshop of a few hours or days, or a bootcamp of 1–12 weeks, with hands-on labs on the client's own stack.

AI Engineer

HOTTEST ROLE

- LLM APIs with Claude (Anthropic), OpenAI GPT and Google Gemini
- Prompt & context engineering, structured outputs, tool calling
- RAG LlamaIndex, LangChain, Pinecone, Weaviate, pgvector, hybrid search
- Agents LangGraph, CrewAI, OpenAI Agents SDK, Claude Agent SDK, Google ADK
- Model Context Protocol (MCP) servers & agent-to-agent (A2A) design
- Evals & observability LangSmith, Langfuse, Braintrust, Promptfoo, Phoenix
- Shipping to production FastAPI, Docker, serverless, cost and latency tuning

Forward Deployed Engineer

FAST-GROWING

- Production Python & TypeScript for customer-facing AI builds
- Enterprise integration REST, webhooks, SSO/OAuth, CRM and ITSM systems
- Data & retrieval on real customer data
- Agents, LLMs, evals & guardrails in customer environments
- Cloud deployment & security basics for enterprise clients
- Customer discovery, scoping, demos & solution architecture
- Rapid prototyping with Claude Code, Cursor and Copilot

AI-Assisted & Agentic Developer

EVERY DEV TEAM

- Claude Code agentic coding, subagents, skills, hooks and MCP
- Cursor agent mode, rules and large-codebase workflows
- GitHub Copilot chat, agent mode, coding agent and code review
- OpenAI Codex, Gemini CLI & Code Assist, Amazon Q Developer, Kiro, Windsurf
- Spec-driven development, AI test generation, refactoring
- Legacy modernisation & secure, governed AI coding

ML, MLOps & LLMOps Engineer

- Amazon SageMaker, Google Vertex AI, Azure Machine Learning
- MLflow, Kubeflow, feature stores & ML pipelines
- Fine-tuning Hugging Face, LoRA/QLoRA, distillation
- Model serving vLLM, Ollama, Triton, Ray, GPU infrastructure
- Monitoring, drift detection, retraining & LLM cost control
- Deep learning PyTorch, TensorFlow, NLP, computer vision

Cloud, DevOps & Platform Engineer

- AWS, Microsoft Azure & Google Cloud, fundamentals to architect
- Kubernetes, Docker, Helm & service mesh
- Terraform / OpenTofu, Ansible, Pulumi
- GitOps Argo CD, Flux · CI/CD GitHub Actions, GitLab, Jenkins
- Platform engineering internal developer platforms, Backstage, golden paths
- SRE & observability OpenTelemetry, Prometheus, Grafana, FinOps
- AI infrastructure & AgentOps

Cloud Security Engineer

- Cloud IAM, zero trust, network & data protection
- CSPM / CNAPP posture management & cloud threat detection
- Container & Kubernetes security image signing, runtime scanning
- DevSecOps SAST, DAST, SCA, SBOM, IaC scanning, supply-chain security
- Secrets management, logging, incident response in the cloud
- AWS, Azure & Google Cloud native security services

Want a path built around your team's roles?

Mix and match modules from any path into one custom syllabus

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Cybersecurity & AI Security

- AI for the SOC Splunk, Microsoft Sentinel, Security Copilot
- Threat & anomaly detection with machine learning
- OWASP Top 10 for LLMs & agentic AI, prompt injection
- AI red teaming & securing MCP servers and agents
- AI governance EU AI Act, NIST AI RMF, ISO/IEC 42001

Data & AI Platform Engineer

- Snowflake SQL, Snowpark, Cortex AI, Snowflake Intelligence
- Databricks Lakehouse, Spark, Mosaic AI, Unity Catalog
- Microsoft Fabric, Google BigQuery, Power BI with Copilot
- dbt, Apache Airflow, Kafka, Apache Iceberg
- Data pipelines, quality & governance for AI

AI for Business Teams

non-technical

- Claude for Work, ChatGPT Enterprise & Microsoft 365 Copilot
- Gemini for Google Workspace, NotebookLM & Perplexity
- No-code agents Copilot Studio, n8n, Zapier, Power Automate
- AI for managers use cases, ROI, risk and change
- Responsible & secure everyday AI use

Claude & Anthropic Spotlight

ENTERPRISE DEMAND

- Claude for teams Projects, artifacts, research and connectors
- Claude Code for engineering organisations
- Claude API & Claude Agent SDK tool use, prompt caching, batch
- MCP servers & Agent Skills for company knowledge
- Claude on Amazon Bedrock & Google Vertex AI

TOOLS & PLATFORMS I TRAIN ON

MODELS & ASSISTANTS Claude · ChatGPT / GPT · Gemini · Microsoft Copilot · Llama · Mistral · DeepSeek · Qwen

AI CODING Claude Code · Cursor · GitHub Copilot · OpenAI Codex · Gemini CLI · Amazon Q Developer · Kiro · Windsurf

AGENTS & RAG LangChain · LangGraph · LlamaIndex · CrewAI · AutoGen / Microsoft Agent Framework · OpenAI Agents SDK · Claude Agent SDK · Google ADK · MCP · A2A

CLOUD AI Amazon Bedrock · SageMaker · Azure AI Foundry · Azure OpenAI · Copilot Studio · Vertex AI

VECTORS & LLMOPS Pinecone · Weaviate · Chroma · pgvector · Elasticsearch · MLflow · LangSmith · Langfuse · Braintrust · Ragas · DeepEval · Hugging Face · vLLM · Ollama

DATA Snowflake · Databricks · Microsoft Fabric · BigQuery · dbt · Airflow · Kafka · Spark · Power BI · Tableau

DEVOPS & SECURITY Kubernetes · Docker · Terraform · Argo CD · GitHub Actions · OpenTelemetry · Prometheus · Grafana · Splunk · Microsoft Sentinel

Certification preparation

AI Claude Certified Architect · AWS Certified AI Practitioner · AWS Machine Learning Engineer – Associate · Azure AI Fundamentals (AI-900) · Azure AI Engineer (AI-102) · Google Cloud Professional ML Engineer · Databricks Generative AI Engineer Associate

CLOUD & DEVOPS AWS Solutions Architect · AWS DevOps Engineer · Azure Administrator (AZ-104) · Azure DevOps Engineer (AZ-400) · Google Cloud Professional Cloud Architect · CKA · CKAD · Terraform Associate

SECURITY & DATA CompTIA Security+ · AWS Security Specialty · Azure Security Engineer (AZ-500) · CKS · CCSP · SnowPro Core · Databricks Data Engineer

Need a path that isn't listed?

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