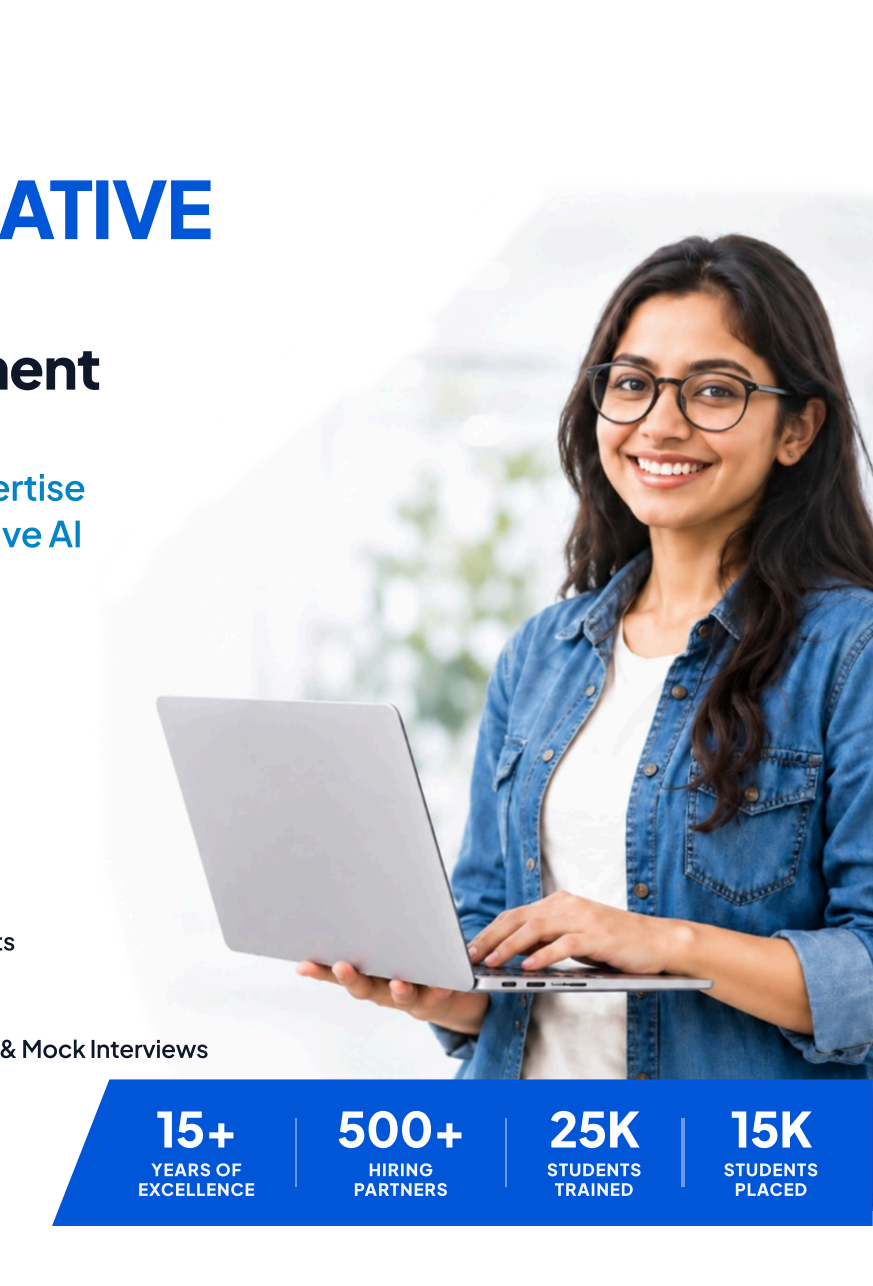
INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER GENERATIVE AI
COURSE With Placement



Build In-Demand Professional Expertise with Real-Time Hands-on Generative AI Training

BEST RATED ON TOP PLATFORMS

Google Reviews ★★★★★ · Trustpilot ★★★★★ · Sulekha ★★★★★

COURSE BENEFITS

- ✓ 100% Practical & Real-Time Hands-on Labs
- ✓ End-to-End Capstone Implementation Projects
- ✓ Industry Recognized Certification Preparation
- ✓ 100% Dedicated Placement Support in MNC's & Mock Interviews

15+ YEARS OF EXCELLENCE
500+ HIRING PARTNERS
25K STUDENTS TRAINED
15K STUDENTS PLACED

Chat on WhatsApp
FREE Career Counselling
+91 85500 00909

YOUR FUTURE
STARTS HERE !

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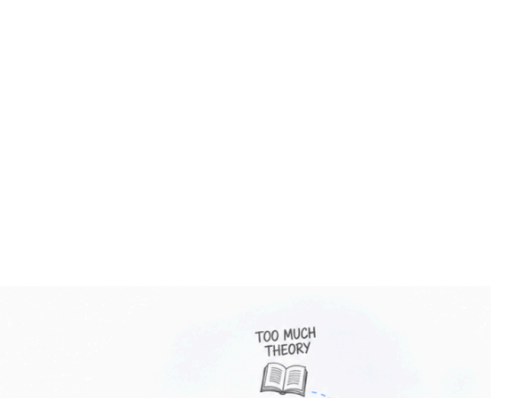
ARE YOU FACING THESE CHALLENGES ?

- Still searching for your first job after graduation?
- Worried about the Gap? And don't know how to start your career?
- Stuck in a low-salary job? and seeking for better growth opportunities?
- Fear of switching to an IT career from a non-IT background
- Not getting interview calls despite applying to 100+ jobs?



How Inventateq Helps You

Waiting Ends. Careers Begin.
Build job-ready skills. Start applying with confidence.

Turns Gaps into Comebacks
Close skill gaps. Rebuild your career

Break Free. Move Forward
Learn in-demand skills. Take your next career step.

Doubt Out. Confidence In.
Practice real skills. Walk into interviews prepared.

Turn Rejections into Chances
Turn every setback into skills employers value.

Be Smart Learn AI
Learn AI tools. Work smarter. Stay updated

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ABOUT INVENTATEQ

Inventateq is a leading IT training and placement company committed to transforming learners into Industry ready professionals

Our Mission
To deliver high-quality education, practical slots and career opportunities that empower individuals to achieve their dreams

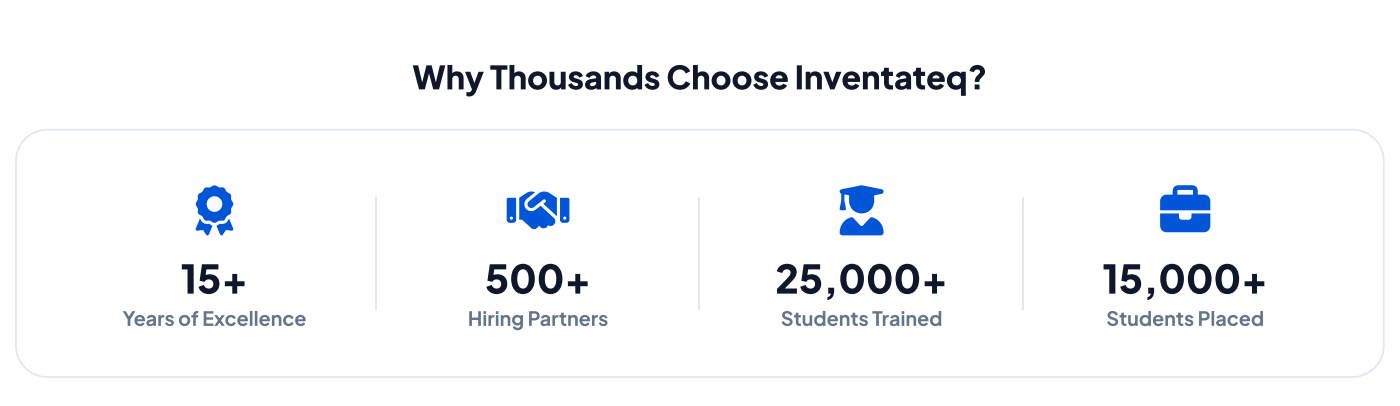
Our Vision
To be a globally recognised training company known for innovation, quality and impactful learner outcomes.

Why Thousands Choose Inventateq?

15+ Years of Excellence
500+ Hiring Partners
25,000+ Students Trained
15,000+ Students Placed

We Collaborate With

Deloitte. · Capgemini · amazon · HCL · Tech Mahindra



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WHY LEARN GENERATIVE AI ?

Enterprises worldwide are actively hiring certified Generative AI professionals to drive critical business operations, digital transformation, and modernization.

CAREER SCOPE OF GENERATIVE AI

Exponential Industry Demand
Rapid enterprise adoption across global IT firms, MNCs, and technology centers

Premium Salary Compensation
Command competitive compensation packages with rapid growth milestones

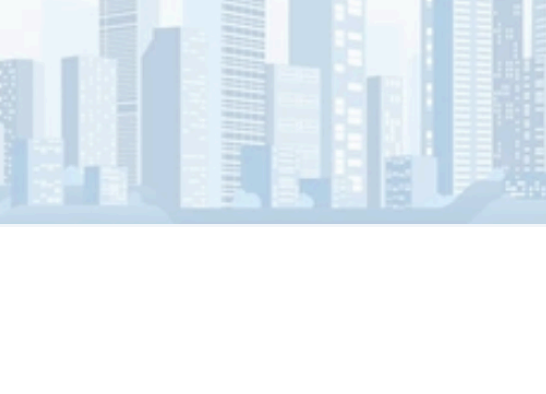
Cross-Industry Opportunities
Versatile skill set applicable across technology, consulting, finance, and core sectors

Future-Proof Career Growth
Long-term job security supported by ongoing digital modernization and tooling investment

Global Certification Pathways
Direct alignment with recognized industry certifications to validate your competence

Worldwide Job Prospects
Open doors to roles in major Indian tech hubs as well as international remote positions

INDUSTRY-RECOGNIZED CERTIFICATION



INVENTATEQ
CERTIFICATE
OF ACHIEVEMENT
This Certificate is proudly presented to
Gaurang Ahirrao
has successfully completed the Python Course and demonstrated outstanding performance, achieving an A Grade.
This certificate recognizes the successful completion of the program requirements during the period from August 01, 2026 - August 18, 2026
scan to verify
ISO
SIGNATURE

QR Verified · Globally Valid · ISO 9001:2015

Top-Tier Data & AI Demand. Global Analytics Roles. Premium Compensation.

Average Generative AI Engineer Salary in India

₹7.5 LPA – ₹24 LPA

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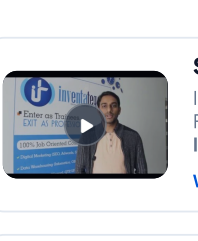
WHY INVENTATEQ ?

Because we have placed over 15,000+ students and we can place you as well

STUDENT PLACEMENTS

- ✓ 100% Placement Assurance Support
- ✓ 500+ Top Tech Hiring Partners
- ✓ Resume & LinkedIn Optimization
- ✓ Industry Mock Technical Interviews
- ✓ Unlimited Interview Calls Until Placed

COURSE & PLACEMENT VIDEOS



Student Genuine Feedback
Inventateq Reviews & Student Genuine Feed...
Inventateq Bangalore Reviews
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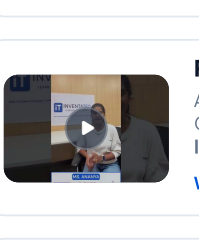
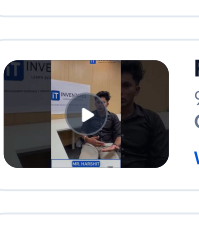
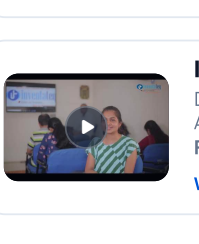


Practical Training Success
Ananya's Placement Success Story | AI Course ...
Industry Tech Career
Watch Video



Placement Story
9.5 LPA Career Success in AI!...
Campus to MNC Offer
Watch Video



Interview Skills & Growth
Data Science Course in Bangalore, Learn AI Tr...
Free Student Masterclass
Watch Video

> **At Inventateq, Your Success is Our Mission !**

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GUARANTEED PLACEMENT SUPPORT

We don't just teach, we prepare you for the real world!

- ✓ Aptitude Training
- ✓ Technical Training
- ✓ Mock Interviews
- ✓ HR Interview Preparation
- ✓ Resume Preparation
- ✓ Cover Letter Preparation
- ✓ LinkedIn Profile Optimisation
- ✓ Job Portal Access
- ✓ Placement Drives & Hiring Events

OUR RECRUITMENT PARTNERS

TATA · Infosys · wipro · Capgemini · Tech Mahindra · LARSEN & TOUBRO · HCL TECH · accenture

OUR PLACEMENT STATS

Our placement record reflects consistent growth, with students securing opportunities across leading companies in diverse industries.

15,000+ Students Placed
500+ Companies Hired
95% Placement Ratio
6 LPA Average Package

Check Most Recent Placements

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CAREER PROGRESSION

Job responsibilities, technical competency and portfolio evidence for each role.

ROLE PATHWAY	TYPICAL RESPONSIBILITIES	PORTFOLIO PROOF
Generative AI Developer	Manage core Generative AI tasks, configure tooling, and support delivery.	Practical Generative AI setup files, exercise scripts, and documentation.
Generative AI Specialist	Build practical Prompt Engineering workflows, implement features, and resolve issues.	Functional Prompt Engineering modules, workflow configs, and practical deliverables.
Lead Generative AI Engineer	Lead Generative AI technical delivery, design solutions, and set standards.	Complete Generative AI capstone artifacts, technical blueprints, and reports.

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SKILLS ROADMAP

Progress from core foundations to production-ready enterprise workflows.

MILESTONE	PRACTICAL OUTPUT	REVIEW EVIDENCE
Milestone 1 (Foundations)	Master fundamental Generative AI concepts, environment setup, and tools.	Configured Generative AI workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical Prompt Engineering workflows and functional domain modules.	Working Prompt Engineering project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced Advanced RAG features, integrations, and optimizations.	Validated Advanced RAG configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end Generative AI capstone project and technical review.	Complete Generative AI project portfolio artifact and defense.

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DETAILED MODULE PLAN

11 in-depth modules • 3 Months Duration • Hands-on practical training

1 MODULE 1 – Generative AI & LLM Fundamentals Learning Objectives

- Understand how modern Generative AI systems work and how LLMs are used in real-world applications.
- Introduction to Artificial Intelligence
- Generative AI vs Traditional AI
- Generative AI use cases
- LLM fundamentals
- Tokens and tokenization
- Context windows
- Parameters

GUIDED LAB
Log in to the system, practice basic navigation, and complete your first Understand how modern Generative AI exercise.

INTERVIEW & ASSESSMENT
Explain what Understand how modern Generative AI is used for and why companies choose it in simple words.

2 MODULE 2 – Python for Generative AI

- Learning Objectives
- Develop the Python skills required to build practical GenAI applications. Topics
- Python fundamentals
- Variables and data types
- Lists, dictionaries and tuples
- Functions
- Classes and objects
- Exception handling

GUIDED LAB
Build and evaluate a practical machine learning workflow for Learning Objectives.

INTERVIEW & ASSESSMENT
Explain how Learning Objectives helps businesses solve complex problems with AI.

3 MODULE 3 – Prompt Engineering

- Learning Objectives
- Learn how to design reliable prompts for production-level GenAI applications. Topics
- Prompt engineering fundamentals
- Zero-shot prompting
- Few-shot prompting
- Role prompting
- System instructions
- Context-based prompting

GUIDED LAB
Experiment with prompt designs and test automated text outputs for practical tasks.

INTERVIEW & ASSESSMENT
Explain how modern AI models process prompts and how to handle unexpected responses.

4 MODULE 4 – LLM APIs & Application Development

- Learning Objectives
- Build real applications using commercial and open-source LLM APIs. Topics
- LLM API architecture
- API authentication
- API requests and responses
- Streaming responses
- Conversation history
- System/user messages

GUIDED LAB
Experiment with prompt designs and test automated text outputs for practical tasks.

INTERVIEW & ASSESSMENT
Explain how modern AI models process prompts and how to handle unexpected responses.

5 MODULE 5 – RAG: Retrieval-Augmented Generation

- Learning Objectives
- Build AI applications that answer questions using private and domain-specific data.
- RAG connects an LLM with external information sources so responses can be grounded in retrieved information rather than relying only on the model's internal knowledge.
- What is RAG?
- RAG architecture
- Document ingestion
- Document loaders
- Text extraction

GUIDED LAB
Experiment with prompt designs and test automated text outputs for practical tasks.

INTERVIEW & ASSESSMENT
Explain how modern AI models process prompts and how to handle unexpected responses.

6 MODULE 6 – Advanced RAG & Production RAG

- Learning Objectives
- Move from basic RAG applications to reliable industry-oriented RAG systems. Topics
- Advanced chunking
- Semantic chunking
- Hybrid search
- Metadata filtering
- Re-ranking
- Query transformation

GUIDED LAB
Build and evaluate a practical machine learning workflow for Learning Objectives.

INTERVIEW & ASSESSMENT
Explain how Learning Objectives helps businesses solve complex problems with AI.

7 MODULE 7 – AI Agents & Agentic AI

- Learning Objectives
- Learn how to build AI systems capable of reasoning through tasks, using tools and executing multi-step workflows.
- AI Agents fundamentals
- Agent vs chatbot
- Agent architecture
- Planning
- Tool usage
- Function calling

GUIDED LAB
Build and evaluate a practical machine learning workflow for Learning Objectives.

INTERVIEW & ASSESSMENT
Explain how Learning Objectives helps businesses solve complex problems with AI.

8 MODULE 8 – Fine-Tuning & Model Adaptation

- Learning Objectives
- Understand when and how to customize existing models for domain-specific requirements. Topics
- Prompting vs RAG vs fine-tuning
- Fine-tuning fundamentals
- Dataset preparation
- Instruction datasets
- Training/validation datasets
- Supervised fine-tuning

GUIDED LAB
Train a basic prediction model on sample data and test its accuracy on new records.

INTERVIEW & ASSESSMENT
Explain how computers learn patterns from past data to predict future outcomes.

9 MODULE 9 – Multimodal Generative AI

- Learning Objectives
- Build applications that work with multiple types of data.
- Text generation
- Image understanding
- Document understanding
- Vision-language models
- OCR concepts
- Image-to-text

GUIDED LAB
Build and evaluate a practical machine learning workflow for Learning Objectives.

INTERVIEW & ASSESSMENT
Explain how Learning Objectives helps businesses solve complex problems with AI.

10 MODULE 10 – GenAI Application Deployment

- Learning Objectives
- Deploy GenAI applications so they can be used by real users. Topics
- FastAPI
- REST API development
- Streamlit applications
- Docker fundamentals
- Environment configuration
- Secrets management

GUIDED LAB
Build and evaluate a practical machine learning workflow for Learning Objectives.

INTERVIEW & ASSESSMENT
Explain how Learning Objectives helps businesses solve complex problems with AI.

11 MODULE 11 – GenAI Evaluation, Security & Optimization

- Learning Objectives
- Learn how to make AI applications more reliable, secure and cost-efficient. Topics
- LLM evaluation
- RAG evaluation
- Response quality
- Hallucination detection
- Prompt injection
- Data privacy

GUIDED LAB
Experiment with prompt designs and test automated text outputs for practical tasks.

INTERVIEW & ASSESSMENT
Explain how modern AI models process prompts and how to handle unexpected responses.

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REAL-WORLD PORTFOLIO PROJECTS

Practical industry scenarios, tools applied, and demonstrable project outcomes.

Project 1: Learning Objectives

What it is: Set up the core Generative AI LLM environment and configure essential business settings.
What you do: Initialize base configurations, create clean templates, and verify workflow controls.
Tools used: Generative AI, Generative AI LLM, modern Generative AI
Project outcome: Working project foundation configured and tested according to best practices.

Project 2: LLM evaluation

What it is: Build practical Python Generative AI modules to handle everyday business operations.
What you do: Create core functional components, validate input data, and prevent common errors.
Tools used: Generative AI, Python Generative AI, Learning Objectives
Project outcome: Functional business module ready to run and demo with zero manual errors.

Project 3: RAG evaluation

What it is: Connect LLM APIs Application with Learning Objectives to automate data and team workflows.
What you do: Set up automated pipelines, link required services, and run end-to-end tests.
Tools used: Generative AI, LLM APIs Application, Learning Objectives
Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: Response quality

What it is: Optimize Advanced RAG Production workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.
Tools used: Generative AI, Advanced RAG Production, Learning Objectives
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 5: Hallucination detection

What it is: Implement advanced Fine Tuning Model features matching real industry requirements.
What you do: Configure custom settings, automate repetitive tasks, and test business logic.
Tools used: Generative AI, Fine Tuning Model, Learning Objectives
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 6: Generative AI End-to-End Capstone

What it is: Build a complete, production-ready Generative AI project bringing all skills together.
What you do: Design, code, test, and document a full project workflow from scratch to launch.
Tools used: Generative AI, GenAI Application Deployment, Learning Objectives
Project outcome: Verified capstone project ready to showcase on your resume and interview calls.

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ASSESSMENT FRAMEWORK

Module tests, practical evaluations, capstone and completion criteria.

COMPONENT	ASSESSMENT FOCUS	PASS EVIDENCE
Module Knowledge Quizzes	Core Generative AI principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Prompt Engineering implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Advanced RAG techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Generative AI implementation, quality review, and delivery	Complete capstone submission with technical walkthrough review
Technical Mock Viva	Technical reasoning, troubleshooting approaches, and communication	Successfully defending project decisions in structured mock panels

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RESUME, GITHUB & LINKEDIN

Evidence-based resume writing and professional project presentation.

- Modular GitHub repository per project with setup steps, dependencies, and clean commits.
- Detailed Generative AI diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering Prompt Engineering setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on Generative AI tools and technical outcomes.
- Structured practice for technical interview pitches, walkthroughs, and viva defense.

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OUR STUDENT

Meet the learners who turned their goals into successful careers through dedication, skill, and continuous growth.

READ REVIEWS

MS. SNEHA
Placed at Wipro (9.5 LPA)

> *"The practical lab sessions gave me the confidence to transition into enterprise roles. Working on real-world datasets helped me clear technical interviews effortlessly!"*
> Course Completed : **Generative AI Specialist** G ★★★★★

MR. HARSHIT
Placed at Accenture (11.2 LPA)

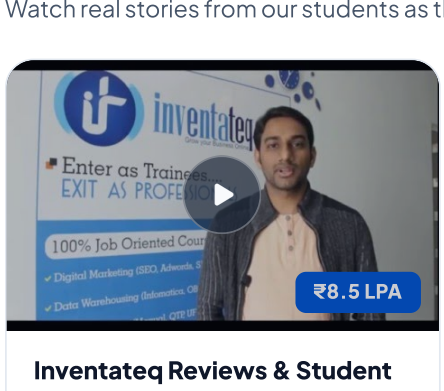
> *"Inventateq's focus on industry capstone projects and mock interviews was game-changing. The mentors guided me through every real-world implementation hurdle."*
> Course Completed : **Generative AI Specialist** G ★★★★★

MR. KARTHIK
Placed at Capgemini (10.5 LPA)

> *"Moving from beginner theory to hands-on enterprise tools was seamless. The portfolio defense preparation helped me crack my MNC placement round!"*
> Course Completed : **Generative AI Specialist** G ★★★★★

WATCH VIDEOS

Watch real stories from our students as they talk about their journey, growth, and placement success.



Inventateq Reviews & Student Genuine Feedback Bangalore
Course Video 1 • Student Feedback
Watch Story

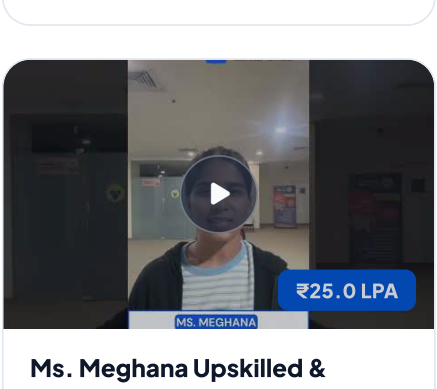
₹7.8 LPA
MS. ANANYA

Ananya's Placement Success Story | AI Course | 6.5 LPA at Accenture| Inventateq
Course Video 2 • Student Feedback
Watch Story

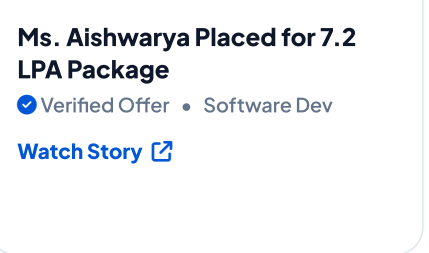
₹9.2 LPA
MR. HARSHIT

9.5 LPA Career Success in AI!
Course Video 3 • Student Feedback
Watch Story

Data Science Course in Bangalore, Learn AI Training with Placement
Course Video 4 • Student Feedback
Watch Story



Ms. Meghana Upskilled & Placed at 25 LPA
Top Offer • Enterprise Consultant
Watch Story



Ms. Aishwarya Placed for 7.2 LPA Package
Verified Offer • Software Dev
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JOB HUNTING ENDS HERE
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