INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER CRYPTOGRAPHY COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Cryptography 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+	500+	25K	15K
YEARS OF EXCELLENCE	HIRING PARTNERS	STUDENTS TRAINED	STUDENTS PLACED

Chat on WhatsApp
FREE Career Counselling
+91 85500 00909

YOUR FUTURE
STARTS HERE !

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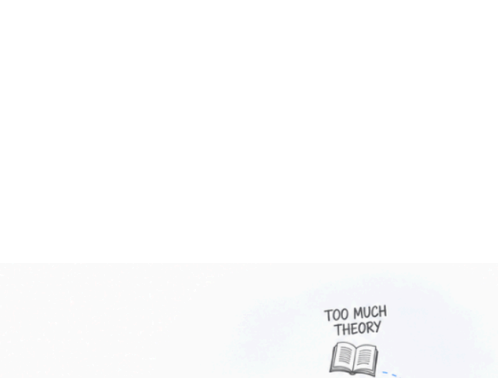
ARE YOU FACING THESE CHALLENGES ?

- 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

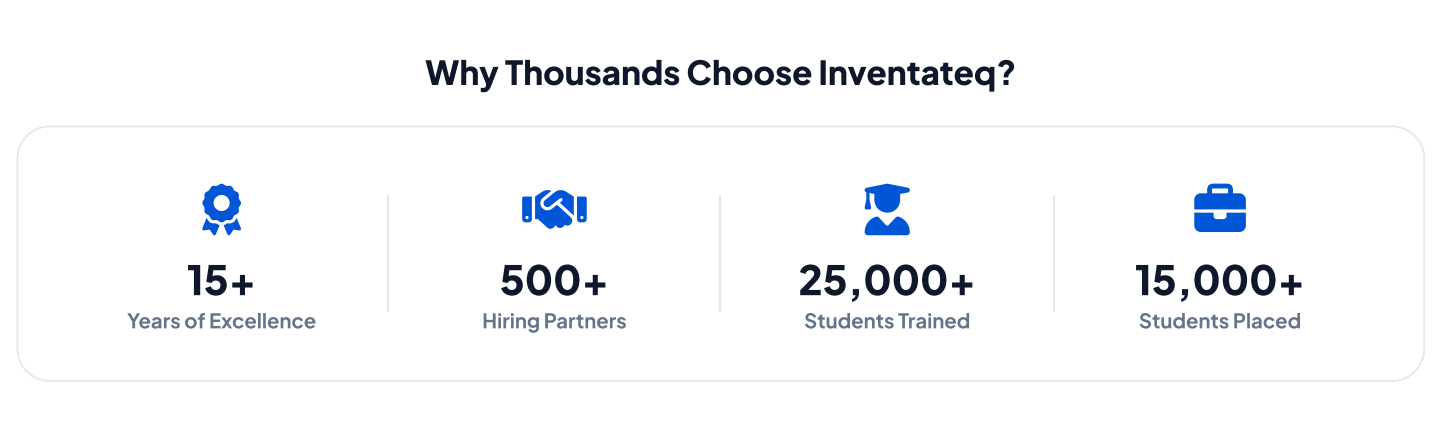
Our Vision
To be a globally recognised training company known for innovation, quality and impactful learner outcomes.

Why Thousands Choose Inventateq?

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

We Collaborate With

Deloitte. · Capgemini · amazon · HCL · Tech Mahindra



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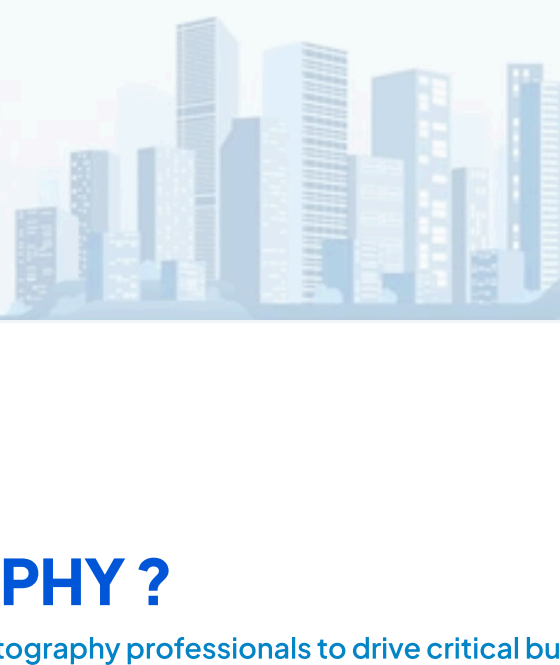
WHY LEARN CRYPTOGRAPHY ?

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

CAREER SCOPE OF CRYPTOGRAPHY

- **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 present to
Gaurang Ahinave
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

Direct Business Impact. Fast-Growing Industry Demand. High Career Mobility.

Average Cryptography Professional Salary in India

₹5.5 LPA – ₹18 LPA

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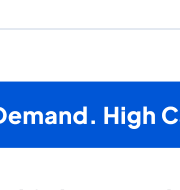
WHY INVENTATEQ ?

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
9.5 LPA Career Success in AI!
Industry Tech Career
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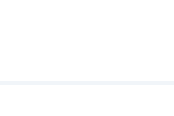

Placement Story
Tableau Training in Bangalore, Learn Tableau...
Campus to MNC Offer
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Interview Skills & Growth
Bigdata Course in Bangalore, Best Hadoop Trai...
Free Student Masterclass
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> At Inventateq, 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+	500+	95%	6 LPA
Students Placed	Companies Hired	Placement Ratio	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
Cryptography Associate	Manage core Cryptography tasks, configure tooling, and support delivery.	Practical Cryptography setup files, exercise scripts, and documentation.
Cryptography Specialist	Build practical Symmetric Key workflows, implement features, and resolve issues.	Functional Symmetric Key modules, workflow configs, and practical deliverables.
Senior Cryptography Lead	Lead Cryptography technical delivery, design solutions, and set standards.	Complete Cryptography 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 Cryptography concepts, environment setup, and tools.	Configured Cryptography workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical Symmetric Key workflows and functional domain modules.	Working Symmetric Key project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced Digital Signatures features, integrations, and optimizations.	Validated Digital Signatures configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end Cryptography capstone project and technical review.	Complete Cryptography project portfolio artifact and defense.

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DETAILED MODULE PLAN

12 in-depth modules + 3 Months Duration + Hands-on practical training

Module 1: Introduction to Cryptography

- What is Cryptography?
- Importance in Cybersecurity
- History of Cryptography
- Types of Cryptography
- Real-world applications (banking, e-commerce, communication)

GUIDED LAB
Log in to the system, practice basic navigation, and complete your first Cryptography exercise.

INTERVIEW & ASSESSMENT
Explain what Cryptography is used for and why companies choose it in simple words.

Module 2: Mathematical Foundations

- Number Theory Basics
- Modular Arithmetic
- Prime Numbers & GCD
- Euler's Theorem (Overview)
- Random Number Generation

GUIDED LAB
Complete a guided practical exercise on Number Theory Basics and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Number Theory Basics and how you use it in real job roles.

Module 3: Classical Cryptography

- Caesar Cipher
- Vigenère Cipher
- Substitution & Transposition Ciphers
- Cryptanalysis Basics
- Limitations of Classical Methods

GUIDED LAB
Complete a guided practical exercise on Caesar Cipher and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Caesar Cipher and how you use it in real job roles.

Module 4: Symmetric Key Cryptography

- Symmetric Encryption Concepts
- DES (Data Encryption Standard)
- AES (Advanced Encryption Standard)
- Block Ciphers vs Stream Ciphers
- Modes of Operation (ECB, CBC, CTR)

GUIDED LAB
Complete a guided practical exercise on Symmetric Encryption Concepts and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Symmetric Encryption Concepts and how you use it in real job roles.

Module 5: Asymmetric Key Cryptography

- Public Key Cryptography Basics
- RSA Algorithm
- Diffie-Hellman Key Exchange
- ElGamal Cryptosystem
- Key Generation & Management

GUIDED LAB
Complete a guided practical exercise on Public Key Cryptography Basics and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Public Key Cryptography Basics and how you use it in real job roles.

Module 6: Hash Functions

- What is Hashing?
- SHA Family (SHA-1, SHA-256)
- MD5 Overview
- Integrity Verification
- Collision & Security Risks

GUIDED LAB
Complete a guided practical exercise on Hashing and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Hashing and how you use it in real job roles.

Module 7: Digital Signatures

- Digital Signature Concept
- RSA-based Signatures
- Hashing + Signing Process
- Verification Mechanism
- Use in Legal & Financial Systems

GUIDED LAB
Complete a guided practical exercise on Digital Signature Concept and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Digital Signature Concept and how you use it in real job roles.

Module 8: Public Key Infrastructure (PKI)

- Certificate Authorities (CA)
- Digital Certificates
- SSL/TLS Overview
- Certificate Lifecycle
- Secure Communication over Internet

GUIDED LAB
Complete a guided practical exercise on Certificate Authorities (CA) and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Certificate Authorities (CA) and how you use it in real job roles.

Module 9: Cryptographic Protocols

- SSL/TLS Protocols
- IPsec Overview
- Secure Email (PGP/S-MIME)
- Authentication Protocols
- Secure Key Exchange Mechanisms

GUIDED LAB
Complete a guided practical exercise on SSL/TLS Protocols and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of SSL/TLS Protocols and how you use it in real job roles.

Module 10: Advanced Cryptography

- Elliptic Curve Cryptography (ECC)
- Post-Quantum Cryptography (Overview)
- Zero-Knowledge Proofs (Conceptual)
- Blockchain Cryptography Basics
- Cryptographic Attacks Overview

GUIDED LAB
Complete a guided practical exercise on Elliptic Curve Cryptography (ECC) and verify your results.

INTERVIEW & ASSESSMENT
Explain the core purpose of Elliptic Curve Cryptography (ECC) and how you use it in real job roles.

Module 11: Cryptography in Practice

- Secure Data Storage Techniques
- Encryption in Databases
- API Security using Cryptography
- Cloud Encryption Models
- Mobile App Security

GUIDED LAB
Connect your web app to a live API to fetch, display, and save customer information.

INTERVIEW & ASSESSMENT
Explain how a web browser asks a server for data using simple analogies.

Module 12: Real-Time Projects

- Secure File Encryption System
- Digital Signature Verification Tool
- Secure Messaging Application (Concept Project)
- SSL/TLS Communication Simulation
- Resume Building & Interview Preparation
- Tools & Technologies Covered
- Python (cryptography libraries overview)
- OpenSSL

GUIDED LAB
Complete an end-to-end practical project bringing together everything you built in this course.

INTERVIEW & ASSESSMENT
Present your completed project and explain your key design decisions with confidence.

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REAL-WORLD PORTFOLIO PROJECTS

Practical industry scenarios, tools, and demonstrable project outcomes.

Project 1: Secure File Encryption System

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

Project 2: Digital Signature Verification Tool

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

Project 3: SSL/TLS Communication Simulation

What it is: Connect Asymmetric Key Cryptography with Public Key Cryptography to automate data and team workflows.
What you do: Set up automated pipelines, link required services, and run end-to-end tests.
Tools used: Cryptography, Asymmetric Key Cryptography, Public Key Cryptography
Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: Tools & Technologies Covered

What it is: Optimize Digital Signatures workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.
Tools used: Cryptography, Digital Signatures, Digital Signature Concept
Project outcome: Production-grade technical deliverable ready to add to your portfolio.

Project 5: Cryptographic Protocols Performance Tuning

What it is: Implement advanced Cryptographic Protocols features matching real industry requirements.
What you do: Configure custom settings, automate repetitive tasks, and test business logic.
Tools used: Cryptography, Cryptographic Protocols, SSL/TLS Protocols
Project outcome: Production-grade technical deliverable ready to add to your professional portfolio.

Project 6: Cryptography End-to-End Capstone

What it is: Build a complete, production-ready Cryptography project bringing all skills together.
What you do: Design, code, test, and document a full project workflow from scratch to launch.
Tools used: Cryptography, Secure Data Storage, Portfolio Suite
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 Cryptography principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Symmetric Key implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Digital Signatures techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Cryptography implementation, quality review, and delivery	Complete capstone submission with technical walkthrough reviews
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.
- Visual project sheets, live demonstration walkthroughs, and verified output results.
- Direct resume bullet points highlighting hands-on Cryptography tools and technical outcomes.
- Detailed Cryptography diagrams, component specifications, and workflow notes.
- Project documentation covering Symmetric Key setup, configuration steps, and test notes.
- Structured practice for technical interview pitches, walkthroughs, and viva defense.

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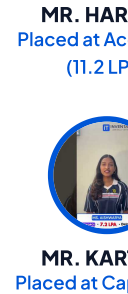
OUR STUDENT

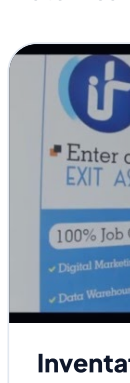
Meet the learners who turned their goals into successful careers through dedication, skill, and continuous growth.

READ REVIEWS



MS. SNEHA
Placed at Wipro (9.5 LPA)
"The hands-on practical training at Inventateq gave me the exact skills needed to advance my career. The mentors were always available to guide me through complex topics!"
Course Completed : Cryptography Specialist ★★★★★

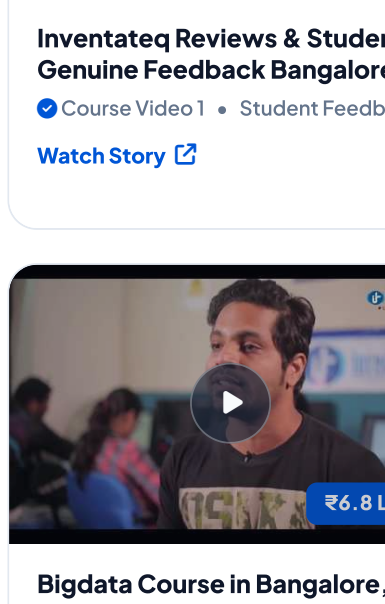
MR. HARSHIT
Placed at Accenture (11.2 LPA)
"Inventateq's industry-aligned curriculum and capstone project set them apart. The mock interviews and placement assistance helped me land my dream offer."
Course Completed : Cryptography Specialist ★★★★★



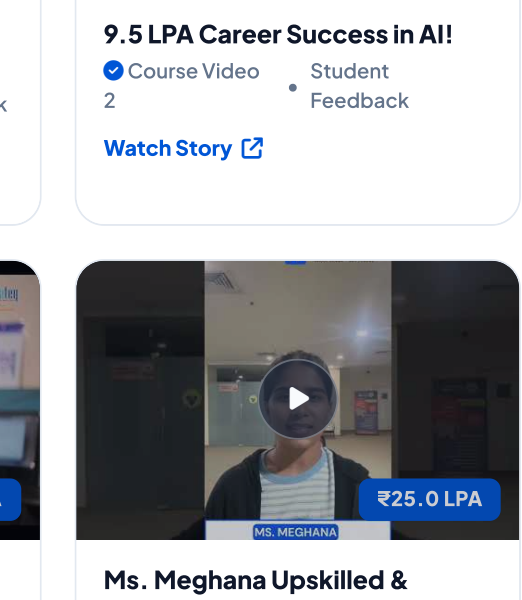
MR. KARTHIK
Placed at Cognizant (10.5 LPA)
"Learning practical enterprise tools with 1-on-1 guidance made all the difference. Having a polished portfolio gave me immense confidence in interviews!"
Course Completed : Cryptography Specialist ★★★★★

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



9.5 LPA Career Success in AI!
Course Video 2 • Student Feedback
Watch Story

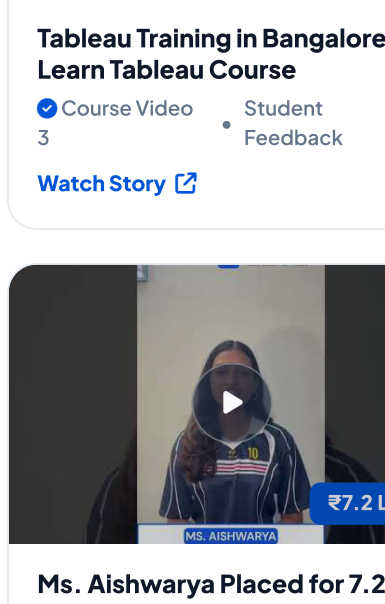


Tableau Training in Bangalore, Learn Tableau Course
Course Video 3 • Student Feedback
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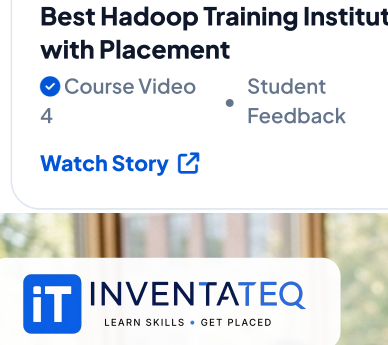
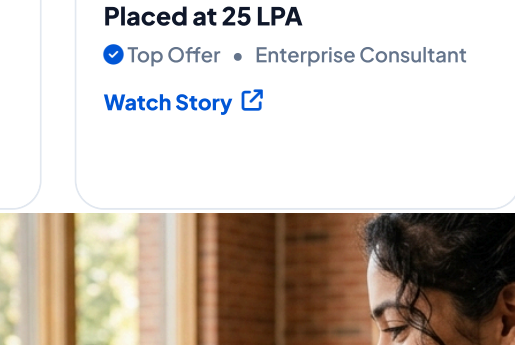


Bigdata Course in Bangalore, Best Hadoop Training Institute with Placement
Course Video • Student Feedback
Watch Story



Mr. Meghana Upskilled & Placed at 25 LPA
Top Offer • Enterprise Consultant
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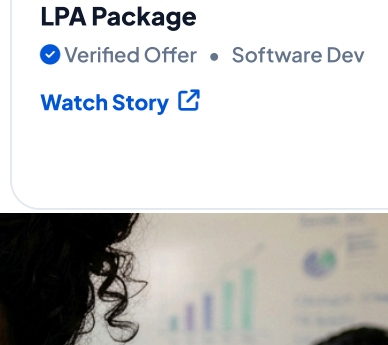

Ms. Aishwarya Placed for 7.2 LPA Package
Verified Offer • Software Dev
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