MASTER MACHINE LEARNING
COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on Machine Learning 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

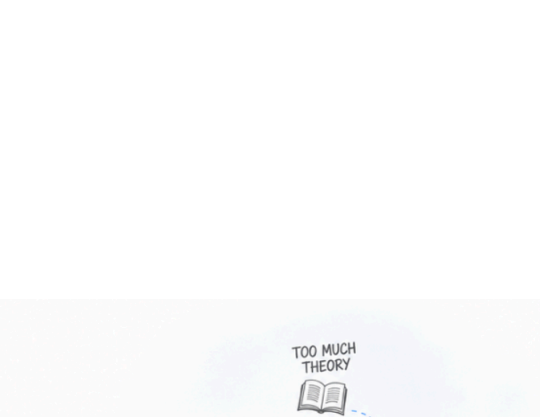
15+	500+	25K	15K
YEARS OF EXCELLENCE	HIRING PARTNERS	STUDENTS TRAINED	STUDENTS PLACED

Chat on WhatsApp
FREE Career Counselling
+91 85500 00909

YOUR FUTURE
STARTS HERE !

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

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

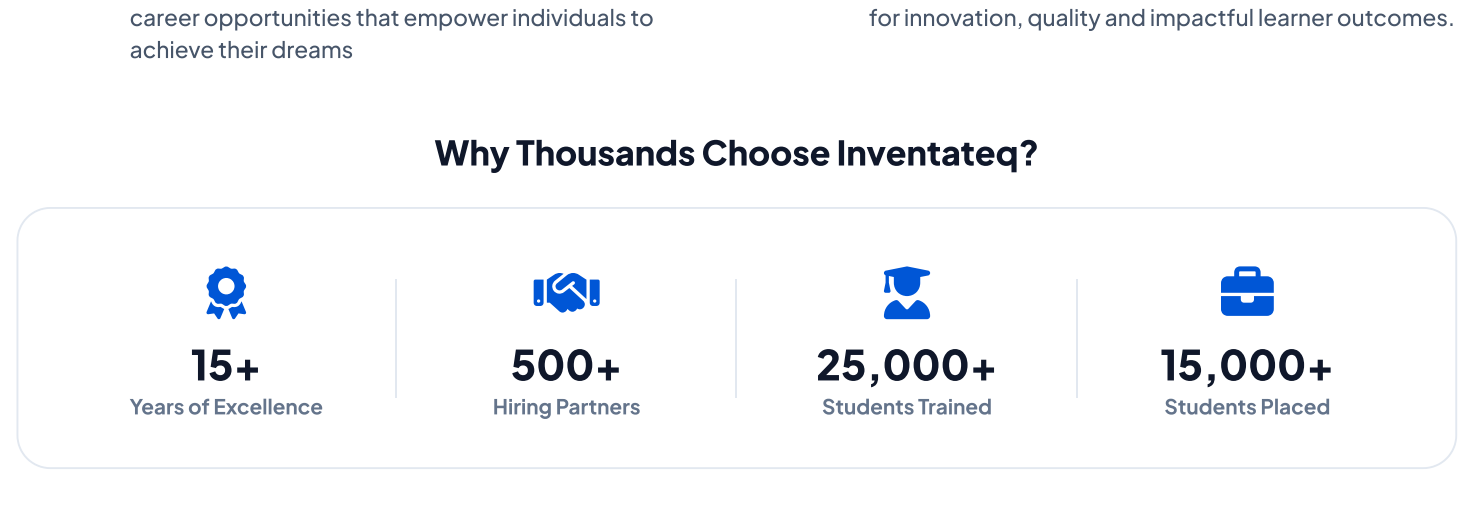
Our Vision
To be a globally recognised training company known for innovation, quality and impactful learner outcomes.

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



WHY LEARN MACHINE LEARNING ?

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

CAREER SCOPE OF MACHINE LEARNING

- **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

CERTIFICATE
OF ACHIEVEMENT

QR Verified • Globally Valid • ISO 9001:2015

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

Average Machine Learning Engineer Salary in India

₹7.5 LPA – ₹24 LPA

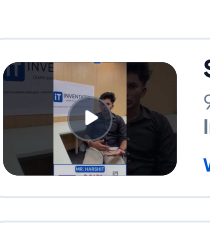
WHY INVENTATEQ ?

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
9.5 LPA Career Success in AI!...
Inventateq Bangalore Reviews
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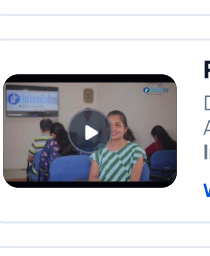
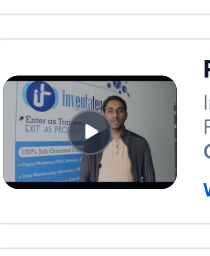


Practical Training Success
Data Science Course in Bangalore, Learn AI Tr...
Industry Tech Career
Watch Video



Placement Story
Inventateq Reviews & Student Genuine Feed...
Campus to MNC Offer
Watch Video

Interview Skills & Growth
Ananya's Placement Success Story | AI Course ...
Free Student Masterclass
Watch Video

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

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, HCLTECH, 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

CAREER PROGRESSION

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

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

SKILLS ROADMAP

Progress from core foundations to production-ready enterprise workflows.

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

DETAILED MODULE PLAN

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

1 Module 1: Introduction to Machine Learning

- What is Machine Learning?
- Types of Machine Learning (Supervised, Unsupervised, Reinforcement)
- Real-World Applications
- AI vs ML vs Data Science
- ML Workflow Overview

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

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

2 Module 2: Python for Machine Learning

- Python Basics for ML
- Libraries: NumPy, Pandas
- Data Handling & Cleaning
- Data Visualization (Matplotlib, Seaborn)
- Working with Datasets

GUIDED LAB
Load a raw spreadsheet, remove missing values, and calculate summary statistics.

INTERVIEW & ASSESSMENT
Explain why data cleaning is the most important step before building models.

3 Module 3: Statistics & Math for ML

- Mean, Median, Mode
- Probability Basics
- Distributions
- Correlation & Covariance
- Linear Algebra Basics

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

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

4 Module 4: Data Preprocessing

- Handling Missing Values
- Encoding Categorical Data
- Feature Scaling
- Feature Selection
- Train-Test Split

GUIDED LAB
Load a raw spreadsheet, remove missing values, and calculate summary statistics.

INTERVIEW & ASSESSMENT
Explain why data cleaning is the most important step before building models.

5 Module 5: Supervised Learning

- Linear Regression
- Logistic Regression
- Decision Trees
- Random Forest
- Support Vector Machines (SVM)

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.

6 Module 6: Unsupervised Learning

- Clustering (K-Means)
- Hierarchical Clustering
- Dimensionality Reduction (PCA)
- Association Rules
- Anomaly Detection Basics

GUIDED LAB
Build and evaluate a practical machine learning workflow for Clustering (K-Means).

INTERVIEW & ASSESSMENT
Explain how Clustering (K-Means) helps businesses solve complex problems with AI.

7 Module 7: Model Evaluation

- Accuracy, Precision, Recall, F1 Score
- Confusion Matrix
- Cross Validation
- Bias vs Variance
- Overfitting & Underfitting

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.

8 Module 8: Feature Engineering

- Feature Creation
- Feature Transformation
- Handling Imbalanced Data
- Outlier Detection
- Data Optimization Techniques

GUIDED LAB
Build and evaluate a practical machine learning workflow for Feature Creation.

INTERVIEW & ASSESSMENT
Explain how Feature Creation helps businesses solve complex problems with AI.

9 Module 9: Introduction to Deep Learning (Overview)

- Neural Networks Basics
- Activation Functions
- Introduction to TensorFlow/Keras
- Basic Neural Network Models
- Concept of Backpropagation

GUIDED LAB
Build and evaluate a practical machine learning workflow for Neural Networks Basics.

INTERVIEW & ASSESSMENT
Explain how Neural Networks Basics helps businesses solve complex problems with AI.

10 Module 10: ML Deployment Basics

- Model Saving & Loading
- Introduction to Flask / FastAPI
- API for ML Models
- Cloud Deployment Overview
- Model Monitoring Basics

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.

11 Module 11: Real-Time Projects

- House Price Prediction
- Spam Email Detection
- Customer Segmentation
- Disease Prediction Model
- Resume Building & Interview Preparation
- Tools Covered
- Python
- Jupyter Notebook

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.

REAL-WORLD PORTFOLIO PROJECTS

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

Project 1: House Price Prediction

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

Project 2: Spam Email Detection

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

Project 3: Customer Segmentation

What it is: Connect Data Preprocessing with Handling Missing Values to automate data and team workflows.
What you do: Set up automated pipelines, link external systems, and run end-to-end tests.
Tools used: Machine Learning, Data Preprocessing, Handling Missing Values
Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: Disease Prediction Model

What it is: Optimize Unsupervised Learning workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimize execution speed.
Tools used: Machine Learning, Unsupervised Learning, Clustering Means
Project outcome: Production-grade technical deliverable ready to add to your portfolio.

Project 5: Jupyter Notebook

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

Project 6: Machine Learning End-to-End Capstone

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

ASSESSMENT FRAMEWORK

Module tests, practical evaluations, capstone and completion criteria.

COMPONENT	ASSESSMENT FOCUS	PASS EVIDENCE
Module Knowledge Quizzes	Core Machine Learning principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on Statistics implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate Unsupervised Learning techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end Machine Learning 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

RESUME, GITHUB & LINKEDIN

Evidence-based resume writing and professional project presentation.

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

OUR STUDENT

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

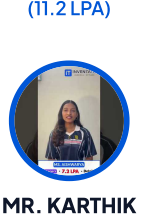
READ REVIEWS

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 : **Machine Learning 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 : **Machine Learning 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 : **Machine Learning Specialist** G ★★★★★

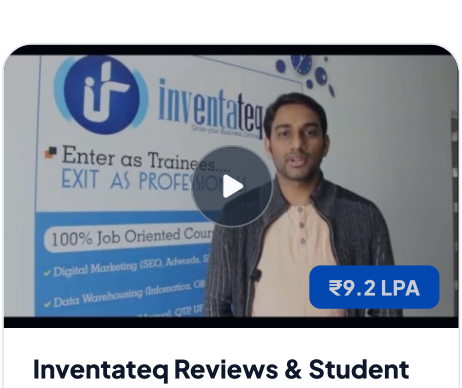
WATCH VIDEOS

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

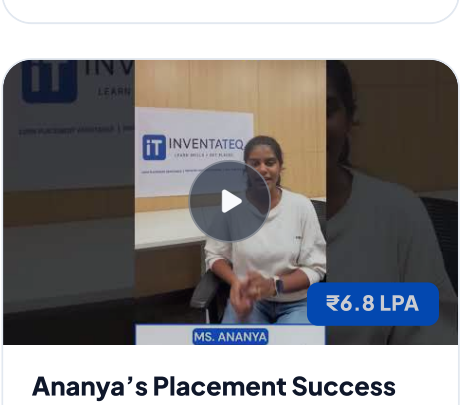
₹8.5 LPA
MR. HARSHIT

9.5 LPA Career Success in AI!
Course Video 1 • Student Feedback
Watch Story

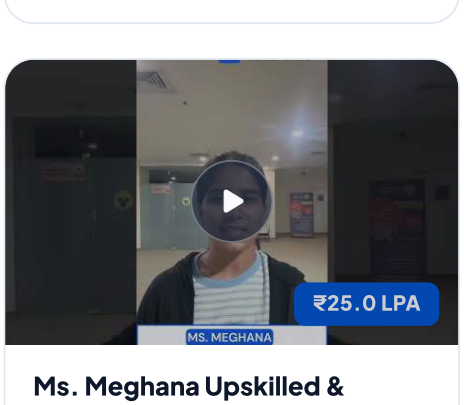
Data Science Course in Bangalore, Learn AI Training with Placement
Course Video 2 • Student Feedback
Watch Story



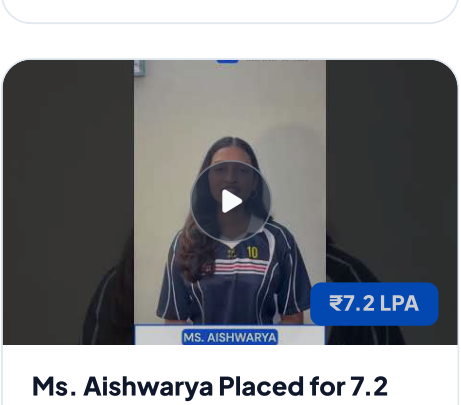
Inventateq Reviews & Student Genuine Feedback Bangalore
Course Video 3 • Student Feedback
Watch Story



Ananya's Placement Success Story | AI Course | 6.5 LPA at Accenture| Inventateq
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
Watch Story

INVENTATEQ
LEARN SKILLS • GET PLACED

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