INVENTATEQ
LEARN SKILLS • GET PLACED

MASTER AI ASSISTED SOFTWARE ENGINEERING
COURSE With Placement

Build In-Demand Professional Expertise with Real-Time Hands-on AI Assisted Software Engineering 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 ?

TOO MUCH THEORY
NO PROJECTS
SKILL GAP
NO GUIDANCE

- 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

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WHY LEARN AI ASSISTED SOFTWARE ENGINEERING ?

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

CAREER SCOPE OF AI ASSISTED SOFTWARE ENGINEERING

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 Ahirrave
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 AI Software 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

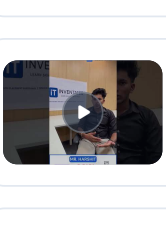
STUDENT PLACEMENTS

- 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
Watch Video

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+	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
AI Software Eng Developer	Manage core AI-Assisted Software tasks, configure tooling, and support delivery.	Practical AI-Assisted Software setup files, exercise scripts, and documentation.
AI Software Eng Specialist	Build practical AI-Assisted Software workflows, implement features, and resolve issues.	Functional AI-Assisted Software modules, workflow configs, and practical deliverables.
Lead AI Software Eng Engineer	Lead AI Software Eng technical delivery, design solutions, and set standards.	Complete AI Software Eng 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 AI-Assisted Software concepts, environment setup, and tools.	Configured AI-Assisted Software workspace and verified practice exercises.
Milestone 2 (Implementation)	Develop practical AI-Assisted Software domain modules	Working AI-Assisted Software project modules and validated practice outputs.
Milestone 3 (Advanced Workflows)	Implement advanced AI-Assisted Testing features, integrations, and optimizations.	Validated AI-Assisted Testing configurations and technical review outputs.
Milestone 4 (Production Capstone)	Deliver an end-to-end AI Software Eng capstone project and technical review.	Complete AI Software Eng 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 AI-Assisted Software Engineering

- Evolution of software development
- Traditional vs AI-assisted development
- Role of AI in the Software Development Life Cycle
- Where AI can assist developers
- Limitations of AI-generated code
- Developer + AI collaboration model
- Subtopics
- Required analysis

GUIDED LAB
Log in to the system, practice basic navigation, and complete your first Evolution of software development exercise.

INTERVIEW & ASSESSMENT
Explain what Evolution of software development is used for and why companies choose it in simple words.

Module 2: Prompt Engineering for Developers

- Fundamentals of prompting
- Developer-focused prompting
- Context engineering
- Structured prompts
- Role-based prompting
- Few-shot prompting
- Chain-of-thought alternatives for practical development
- Iterative 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.

Module 3: AI-Assisted Programming & Code Generation

- AI-assisted programming fundamentals
- Code completion
- Function generation
- Class generation
- Boilerplate generation
- Code explanation
- Code translation between languages
- AI-assisted refactoring

GUIDED LAB
Build and evaluate a practical machine learning workflow for AI-assisted programming fundamentals.

INTERVIEW & ASSESSMENT
Explain how AI-assisted programming fundamentals helps businesses solve complex problems with AI.

Module 4: AI-Assisted Software Development Workflow

- Requirement → Design → Code → Test → Deploy
- AI-assisted SDLC
- Requirement interpretation
- User stories
- Acceptance criteria
- Technical design
- Task breakdown
- Subtopics

GUIDED LAB
Build and evaluate a practical machine learning workflow for Requirement → Design → Code.

INTERVIEW & ASSESSMENT
Explain how Requirement → Design → Code helps businesses solve complex problems with AI.

Module 5: AI-Assisted Backend & API Development

- Backend development fundamentals
- REST API architecture
- HTTP methods
- API request/response
- Authentication
- Validation
- Error handling
- Subtopics

GUIDED LAB
Build and evaluate a practical machine learning workflow for Backend development fundamentals.

INTERVIEW & ASSESSMENT
Explain how Backend development fundamentals helps businesses solve complex problems with AI.

Module 6: AI-Assisted Database Development

- Relational databases
- SQL fundamentals
- Database design
- Tables and relationships
- Primary and foreign keys
- Joins
- Indexing basics
- Subtopics

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

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

Module 7: AI-Assisted Testing & Quality Engineering

- Software testing fundamentals
- Testing lifecycle
- Unit testing
- Integration testing
- API testing
- Regression testing
- Test automation
- Subtopics

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 data to predict future outcomes.

Module 8: AI-Assisted Debugging, Code Review & Optimization

- Debugging methodologies
- Error analysis
- Root cause analysis
- Performance optimization
- Code quality
- AI-assisted code review
- Subtopics
- Runtime errors

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

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

Module 9: Git, GitHub & AI-Assisted Team Development

- Git fundamentals
- GitHub workflow
- Branching
- Commits
- Pull requests
- Merge conflicts
- Code reviews
- Subtopics

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

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

Module 10: AI-Assisted Documentation & Developer Productivity

- Technical documentation
- API documentation
- README creation
- Code comments
- Architecture documentation
- Release notes
- Practical
- Use AI to generate:

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

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

Module 11: AI-Assisted DevOps & Deployment

- Software deployment lifecycle
- Environment management
- Docker fundamentals
- CI/CD fundamentals
- Automated builds and testing
- Deployment workflows
- Subtopics
- Dockerfile

GUIDED LAB
Build and evaluate a practical machine learning workflow for Software deployment lifecycle.

INTERVIEW & ASSESSMENT
Explain how Software deployment lifecycle helps businesses solve complex problems with AI.

Module 12: Capstone – Production-Ready AI-Assisted Application

- Project Objective
- Build a complete software application using AI throughout the development lifecycle.
- Suggested Projects
- Option 1: AI-Powered Customer Support System
- User authentication
- Customer management
- Ticket management
- AI-assisted response generation

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 applied, and demonstrable project outcomes.

Project 1: Project Objective

What it is: Set up the core AI Assisted Software environment and configure essential business settings.
What you do: Initialize base configurations, create clean templates, and verify workflow controls.
Tools used: AI Software Eng, AI Assisted Software Engineering, Evolution of software development
Project outcome: Working project foundation configured and tested according to best practice.

Project 2: Suggested Projects

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

Project 3: AI-Powered Customer Support System

What it is: Connect AI Assisted Backend with other departments to automate data and team workflows.
What you do: Set up automated pipelines, link required services, and run end-to-end tests.
Tools used: AI Software Eng, AI Assisted Backend, Backend development
Project outcome: Live automated workflow pipeline documented with clear usage guides.

Project 4: User authentication

What it is: Optimize AI Assisted Testing workflows for security, speed, and reliability.
What you do: Audit performance bottlenecks, apply security rules, and optimise execution speed.
Tools used: AI Software Eng, AI Assisted Testing, Software testing
Project outcome: Production-grade technical deliverable ready to add to your personal portfolio.

Project 5: Customer management

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

Project 6: AI Software Eng End-to-End Capstone

What it is: Build a complete, production-ready AI Software Eng project bringing all skills together.
What you do: Design, code, test, and document a full project workflow from scratch to launch.
Tools used: AI Software Eng, AI Assisted DevOps, Software deployment lifecycle
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 AI-Assisted Software principles, industry terminology, and workflow concepts	Consistent passing score across syllabus unit evaluation tests
Lab Submissions & Practice Reviews	Hands-on AI-Assisted Software implementation, configuration, and practical exercises	Working lab deliverables satisfying practical evaluation rubrics
Hands-On Mini Projects	Independent problem-solving using intermediate AI-Assisted Testing techniques	Functional project artifacts addressing realistic domain scenarios
Final Production Capstone	End-to-end AI Software Eng 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 AI-Assisted Software diagrams, component specifications, and end-to-end workflows.
- Visual project sheets, live demonstration walkthroughs, and verified functional outputs.
- Project documentation covering AI-Assisted Software setup, configuration steps, and test notes.
- Direct resume bullet points highlighting hands-on AI Software Eng tools and technical outcomes.
- Structured practice for technical interview pitches, walkthroughs, and viva defense.

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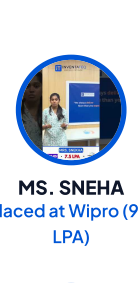
OUR STUDENT

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

READ REVIEWS

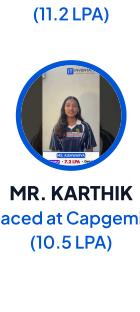


MS. SNEHA
Placed at Wipro (9.5 LPA)

"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 : **AI Assisted Software Engineering 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 : **AI Assisted Software Engineering 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 : **AI Assisted Software Engineering 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

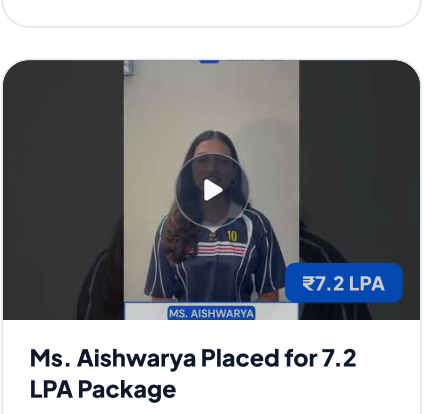
₹9.2 LPA
MR. HARSHIT

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

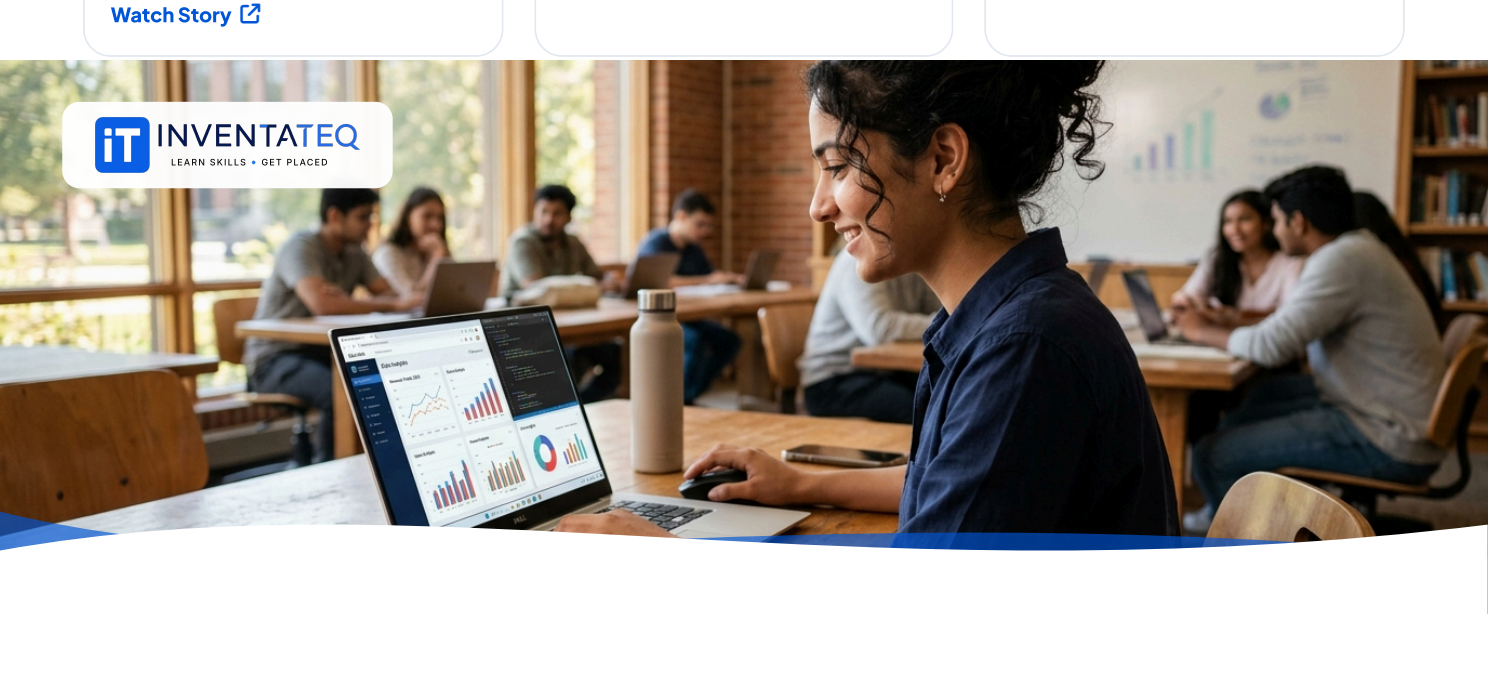
Data Science Course in Bangalore, Learn AI Training with Placement
Course Video 4 • Student Feedback
Watch Story

₹25.0 LPA
MS. MEGHANA

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



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