

M.Sc., M.Tech.

MUTHU VENKATAKRISHAN

IT Specialist | AI Solutions Architect | Corporate Training
Expert

Transforming Technology into Innovation

✉ muthuviswanath@outlook.com

☎ +91 7904 093 412

🌐 [linkedin.com/in/muthuviswanath](https://www.linkedin.com/in/muthuviswanath)

Who I Am

Seasoned IT professional and corporate trainer with 18+ years across Production Support, Development, Networks, System Administration, and Testing. I design and deliver high-impact training programs and build real-world solutions across multiple technology stacks.



18+ Years IT Excellence



250+ Training Sessions



AI Innovation Specialist



Entrepreneur & Mentor



Bengaluru, India

My Philosophy

I blend deep engineering rigor with teaching excellence—turning complex technology into practical, job-ready skills for teams and organizations.

Core Values

Continuous learning, excellence in delivery, practical application, and empowering others through knowledge sharing.

The Journey

2006 - 2007

Technical Trainer

Nissi Solutions

Delivered technical training on Windows systems, network infrastructure, and Active Directory Services



2007 - 2008

Lecturer

Nehru Memorial College

Delivered customized instruction across computing disciplines, mentored students, and created enriched curriculum



2008 - 2018

Multiple Roles

IBM India Pvt Ltd

Test Lead, Backend Developer, Production Support Team Lead with multiple awards for technical excellence



2018 - Present

Freelance Expert & AI Innovator

Independent Professional

Corporate Training, Development, Automation, AI Solutions and Technical Mentorship across multiple technologies



AI & Emerging Tech

Expanding beyond traditional development, I've upskilled in cutting-edge AI technologies to build intelligent solutions for modern business challenges. These capabilities complement my extensive training and development expertise.

AI Agent Development in Python

Creating autonomous, task-oriented agents that can process information, make decisions, and execute workflows based on predefined objectives and constraints.

Prompt Engineering

Designing systematic prompts for large language models that ensure reliability, safety, and accuracy. Optimizing for specific outputs and managing context effectively.

Agentic AI Workflows

Orchestrating multi-step AI pipelines where specialized agents work together to solve complex problems through reasoning, planning, and tool use.

What I Build

- ✓ AI-enabled QA accelerators and test data generators
- ✓ Knowledge assistants and developer productivity copilots
- ✓ Data extraction, summarization, and reporting flows
- ✓ Automated code analysis and documentation tools
- ✓ Support ticket triage and resolution systems

Impact

These AI capabilities accelerate team productivity by 40-60%, automate repetitive tasks, and enable seamless knowledge transfer across organizational silos.

Training Impact



250+

Training Sessions



1500+

Professionals Trained



18+

Years Experience



6

Major Domains

Training Sessions By Domain

Full Stack Application Development

80+

Python Full Stack

80+

Frontend Development

40+

SDET/QA Automation

65+

AI & Emerging Tech

15+

Data Analysis & Visualization

45+

Delivery Formats

Bootcamps

Workshops

Seminars

One-on-One

Onboarding Programs

Project-Based Learning

Training Domains



Java Full Stack

80+ Sessions

Core Java, JDBC, JSP, Spring, Spring Boot, REST APIs



Python Full Stack

80+ Sessions

Python, RDBMS, Django, DRF, REST APIs



.NET Full Stack

20+ Sessions

C#, .NET Framework/Core, MS SQL, EF, NHibernate



SDET/QA Automation

65+ Sessions

Selenium, TestNG, Maven, Cucumber, Jenkins, Gatling, Playwright



Front-End

45+ Sessions

Angular, React, Express, responsive UI & state management



Data Analysis

45+ Sessions

Pandas, NumPy, Matplotlib, Plotly, data visualization



Microservices (gRPC)

15+ Sessions

Protobufs, unary/streaming RPC, security, service discovery



Agentic AI

15+ Sessions

ML, LLM, RAG, NLP, N8N

Core Expertise

AI & Innovation

- › AI Agents in Python
- › Prompt Engineering
- › Agentic AI Workflows
- › Automation Copilots

Full Stack Development

- › Java, Spring Boot, Spring
- › Python, Django, DRF
- › .NET Core, C#, Entity Framework
- › React, Angular, Express

Quality Assurance

- › Selenium WebDriver, TestNG
- › Cucumber (BDD), Jenkins
- › Test Automation Frameworks
- › Playwright Automation for API & UI

Data Engineering

- › RDBMS, MS SQL, Teradata
- › ETL, Informatica, Data Pipelines
- › Python Data Analysis: Pandas, NumPy
- › Data Visualization: Matplotlib, Plotly

Training & Mentorship

- › Curriculum Development
- › Corporate Bootcamps & Workshops
- › Hands-on Project Facilitation
- › Technical Career Coaching

Leadership

- › Team Lead Experience (IBM)
- › Production Support Management
- › Project Planning & Delivery
- › Client Relationship Management

My Technical Skills



My AI / ML Technical Skills

Machine Learning

Supervised & Unsupervised Learning, Regression, Classification, Clustering, Feature Engineering & Feature Selection, Model Evaluation & Hyperparameter Tuning

Deep Learning

Neural Networks (ANN, CNN, RNN)LSTM, GRU, Transfer Learning, Model Optimization & Regularization

Natural Language Processing (NLP)

Text Preprocessing & Tokenization, TF-IDF, Word2Vec, GloVe, Transformers & Attention Mechanisms, Sentiment Analysis, Text Classification

Computer Vision

Image Classification, Object Detection, Image Segmentation, OpenCV & CNN-based Models

AI / ML Frameworks & Libraries

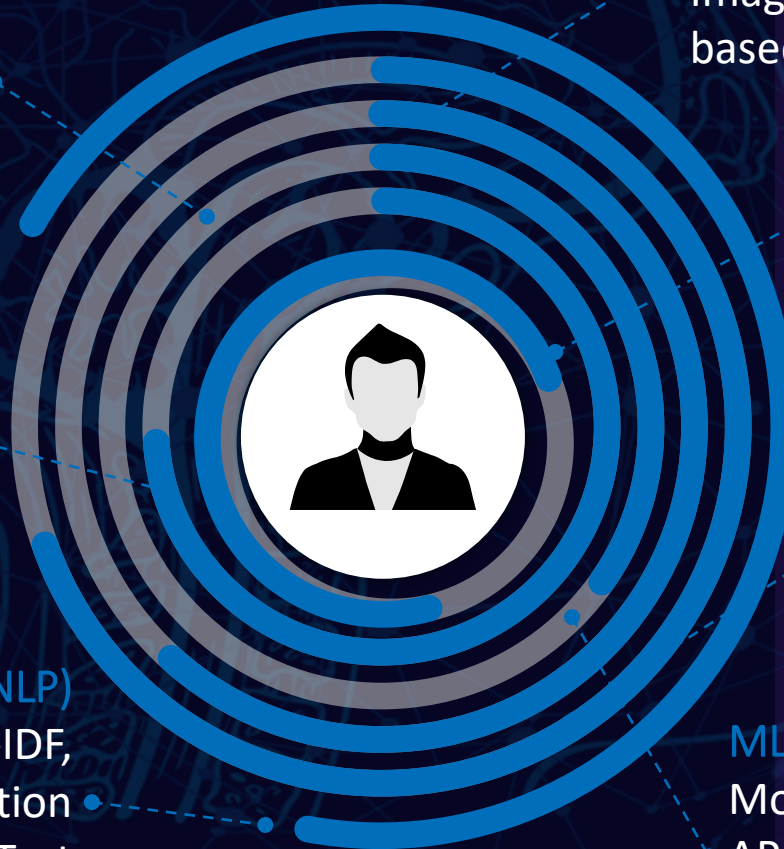
TensorFlow, Keras, PyTorch, Scikit-learn, NumPy, Pandas

Data Handling & Visualization

Data Cleaning & Preprocessing
Exploratory Data Analysis (EDA)
Matplotlib, Seaborn, Plotly

MLOps & Deployment

Model Packaging & Versioning, REST APIs (FastAPI / Flask), Docker, CI/CD for ML Models, Cloud Deployment (AWS / Azure / GCP – optional)



Training Impact Dashboard



85+ Batches

QA / Automation Testing



1500+ Professionals

Trained



20+ Years

Experience

Recognized for becoming an indispensable team member delivering critical value



350+ Sessions

Corporate Training

Honored for outstanding client service and exceptional delivery quality

Testing / QA Automation



60 Batches

- Fresh Grads + Lateral Hires
- Locator Strategies
- Handling Dynamic Elements
- Handling Shadow DOMs
- Framework Design
- TestNG
- Cucumber
- API Testing using REST Assured



Playwright



25 Batches

- Fresh Grads + Lateral Hires
- Locator Strategies
- Handling Dynamic Elements
- Handling Shadow DOMs
- UI + API Automation
- TypeScript Frameworks
- Enterprise simulations
- Data Driven Framework

FullStack Development



160 Batches

- Fresh Grads + Lateral Hires
- Core Java
- Spring MVC
- Spring Boot
- Microservices
- ReactJS
- Angular



125 Batches

- Freshers + Lateral hires
- Python
- Django
- DRF
- ReactJS
- Angular
- Authentication
- REST APIs
- Projects

Python Data Analytics



125 Batches

- Freshers + Lateral hires
- NumPy
- Pandas
- Seaborn
- Matplotlib
- EDA
- Data Cleansing
- Visualization
- Real datasets

IBM Achievements



Technical Pillars Award

January 2018

Recognition for technical excellence and innovation in solution architecture



Inquisitive Minds Award

December 2017

Awarded for exceptional problem-solving and creative thinking abilities



Be Essential Award

December 2015

Recognized for becoming an indispensable team member delivering critical value



Service Excellence Award

July 2015

Honored for outstanding client service and exceptional delivery quality



ORION Award

December 2014

Recognition for outstanding contribution to team success and project objectives



Wellpoint Achievement Award

June 2014

Awarded for exceptional performance and valuable contributions to project goals

Education & Research



Master of Technology

Advanced Computing

SASTRA University, 2012

Specialized in computing systems architecture, algorithms, and advanced programming paradigms



Master of Science

Computer Science

Bharathidasan University, 2006

Focus on core computer science principles, programming languages, and software development



Research Publication

Paper on Incremental Cryptography

Published in an International Journal

January 2012

Explored innovative approaches to cryptographic algorithms that efficiently handle incremental changes to input data

Client Success

My training and development approach consistently delivers exceptional value to clients across various industries. Here's what they value most about our collaboration:



Tailored Curricula

Custom training programs precisely mapped to project requirements and technology stacks



Hands-on Labs

Real-world exercises and capstone projects that mirror actual production scenarios



Clear Training Artifacts

Comprehensive code samples, exercises, assessments, and progress reports



Post-Training Support

Continued mentoring and support to ensure sustained skills adoption

Client Testimonials

What clients consistently mention about my training approach:

Exceptional clarity in explaining complex concepts

Strong focus on practical application

Adaptability to different learning styles

Deep technical expertise across domains

Commitment to learner success beyond training

Organizations I've Worked With:

 IBM India

 Nehru Memorial College

 Nissi Solutions

 DCPL Software

 Enterprise Clients

 Technology Startups



Why Work With Me

A unique combination of deep technical expertise, proven delivery excellence, and innovative AI capabilities to transform your team's potential.

Breadth + Depth

Full-stack, QA automation, data engineering, and microservices expertise across multiple technology stacks and domains.

Proven Impact

230+ training sessions delivered, 1000+ professionals trained, with multiple repeat enterprise engagements.

AI-First Enablement

Advanced capabilities in AI agent development, prompt engineering, and agentic workflow design for real business outcomes.

Recognized Excellence

Multiple IBM awards, published researcher, and industry experience spanning production support to enterprise architecture.

Clear Communication

Engaging delivery tailored to varied experience levels, translating complex concepts into practical, actionable knowledge.

Future-Focused

Continuous learning mindset with emphasis on emerging technologies, best practices, and sustainable implementation patterns.

Services Offered



Corporate Training

Customized Learning Paths

- Custom curriculum design & delivery
- Intensive bootcamps & workshops
- Hands-on labs & assessment
- Team-specific tech stack focus



Mentorship & Coaching

Professional Growth

- Career guidance & progression
- Technical skill development
- Interview preparation
- Leadership development



Development Services

Engineering Excellence

- Full stack application development
- AI agent design & implementation
- Automation frameworks & tools
- API development & integration



AI Enablement

Future-Ready Solutions

- Prompt engineering workshops
- Agentic workflow design
- AI adoption strategy
- Custom AI use-case prototyping

LET'S BUILD THE FUTURE OF SKILLS

Ready to transform your team's capabilities? Let's discuss how we can work together.



muthuviswanath@outlook.com



+91 7904 093 412



[linkedin.com/in/muthuviswanath](https://www.linkedin.com/in/muthuviswanath)



Chennai, India

CONNECT WITH ME