MathWorks® | *Training Services*

Course Completion Certificate

Shashwat Shukla

has successfully completed **100%** of the self-paced training course

Machine Learning Onramp

DIRECTOR, TRAINING SERVICES

8 October 2025

Machine Learning Onramp

Start course

Share Course | Certificate & Progress Report |

COMPLETED v1—English (change)

Learn the basics of practical machine learning for classification problems in MATLAB®. Use a machine learning model that extracts information from real-world data to group your data into predefined categories.

Course modules

- Overview of Machine Learning 100% | 10 min
- Import Data 100% | 10 min
- Extract Features 100% | 15 min
- Partition Data for Validation 100% | 10 min
- Train Models 100% | 10 min
- Evaluate Performance 100% | 10 min
- Improve Performance 100% | 5 min
- Conclusion 100% | 5 min

Machine Learning Onramp

COMPLETED | 1 hour | Share Course | Certificate & Progress Report

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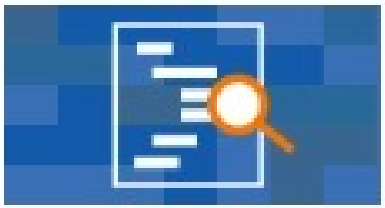
MATLAB Coding Practices for Efficiency and Performance

DIRECTOR, TRAINING SERVICES

7 October 2025



MATLAB Coding Practices for Efficiency and Performance

Start course

Share Course | Certificate & Progress Report | Quick Reference | Settings

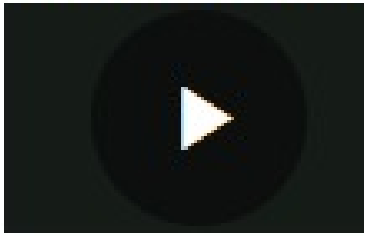
COMPLETED Access expires Apr 30, 2026 | v1—English

Take your MATLAB coding skills to the next level by learning to write efficient and performant code. Learn how to identify bottlenecks, increase efficiency through vectorization and preallocation, and examine memory usage.

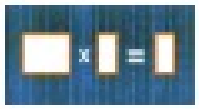
Course modules

- Introduction 100% | 5 min
- Measure Performance 100% | 10 min
- Find Bottlenecks 100% | 10 min
- Vectorization 100% | 15 min
- Memory Usage 100% | 0.5 hours
- Preallocation 100% | 15 min
- Conclusion 100% | 5 min

About this cours



Recommended prerequis



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A Tour of

Features

- Hands-on exercises wi
- Access to MATLAB thr

MATLAB Coding Practices for Efficiency and Performance

COMPLETED Access expires Apr 30, 2026 | 1.5 hours | Share Course | Certificate & Progress Report

> Course is in 1 learning path(s)

MathWorks® | Training Services

Course Completion Certificate

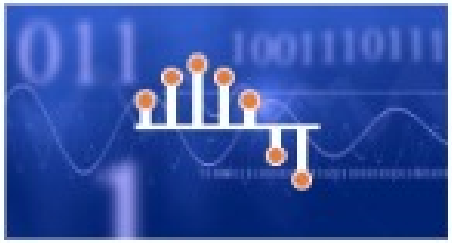
Shashwat Shukla

has successfully completed **100%** of the self-paced training course

Signal Generation and Resampling

DIRECTOR, TRAINING SERVICES

10 October 2025



Signal Generation and Resampling

Start course

Share Course | Certificate & Progress Report | (

COMPLETED Access expires Apr 30, 2026 | v1—E

Learn about signal parameters and ways to generate different digital signals. Apply resampling techniques to adjust the signal sample rate without introducing distortions or artifacts.

Course modules

- Introduction 100% | 5 min
- Generate Digital Signals 100% | 0.5 hours
- Resample Signals 100% | 0.5 hours
- Project 100% | 5 min
- Conclusion 100% | 5 min

Signal Generation and Resampling

COMPLETED Access expires Apr 30, 2026 | 1 hour | Share Course | Certificate & Progress Report

> Course is in 1 learning path(s)

MathWorks® | *Training Services*

Course Completion Certificate

Shashwat Shukla

has successfully completed **100%** of the self-paced training course

Introduction to Symbolic Math with MATLAB

DIRECTOR, TRAINING SERVICES

10 October 2025

Introduction to Symbolic Math with MATLAB

Start course

Share Course | Certificate & Progress Report |

COMPLETED Access expires Apr 30, 2026 | v1

Learn the basics of symbolic math in MATLAB®. Instead of manipulating and solving equations yourself on paper, why not have MATLAB do it for you?

Course modules

- Introduction 100% | 5 min
- Symbolic Variables 100% | 10 min
- Mathematical Expressions with Symbolic Variables 100% | 15 min
- Define and Solve Symbolic Equations 100% | 10 min
- Algebraic Manipulation and Simplification 100% | 5 min
- Working with Assumptions 100% | 10 min

Introduction to Symbolic Math with MATLAB

COMPLETED Access expires Apr 30, 2026 | 2 hours | Share Course | Certificate & Progress Report

MathWorks® | *Training Services*

Course Completion Certificate

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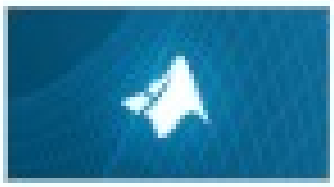
has successfully completed **100%** of the self-paced training course

MATLAB Onramp

DIRECTOR, TRAINING SERVICES

20 September 2025



MATLAB Onramp

Start course

Share Course | Certificate & Progress Report | Quic

COMPLETED v1 — English (change)

Learn the basics of MATLAB® through this introductory tutorial on commonly used features and workflows. Get started with the MATLAB language and environment so that you can analyze science and engineering data.

Course modules

- Course Overview 100% | 5 min
- Commands 100% | 20 min
- MATLAB Desktop and Editor 100% | 15 min
- Vectors and Matrices 100% | 15 min
- Array Indexing and Modification 100% | 15 min
- Array Calculations 100% | 5 min
- Function Calls 100% | 5 min
- Documentation 100% | 5 min
- Plots 100% | 10 min
- Data Import 100% | 5 min
- Logical Arrays 100% | 5 min
- Programming 100% | 10 min
- Final Project 100% | 10 min
- Conclusion 100% | 5 min

MATLAB Onramp

COMPLETED | 2 hours | Share Course | Certificate & Progress Report

MathWorks® | *Training Services*

Course Completion Certificate

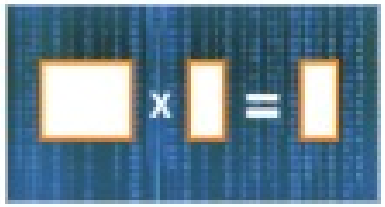
Shashwat Shukla

has successfully completed **100%** of the self-paced training course

Calculations with Vectors and Matrices

DIRECTOR, TRAINING SERVICES

12 September 2025



Calculations with Vectors and Matrices

Start course

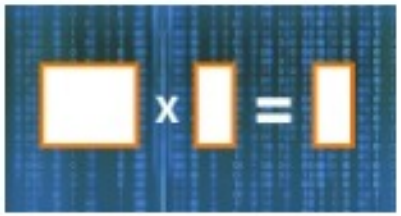
Share Course | Certificate & Progress Report

COMPLETED Access expires Apr 30, 2026 | v1–

Gain a deeper understanding of how to work with matrices and arrays in MATLAB. Learn the difference between element-wise and matrix operations, how to take advantage of implicit expansion, and apply statistical operations to arrays.

Course modules

- Introduction 100% | 5 min
- Operations on Arrays 100% | 15 min
- Statistical Operations on Matrices 100% | 5 min
- Matrix Multiplication 100% | 5 min
- Moving Window Calculations 100% | 10 min
- Projects 100% | 10 min
- Conclusion 100% | 5 min



Calculations with Vectors and Matrices

COMPLETED Access expires Apr 30, 2026 | 1 hour | Share Course | Certificate & Progress Report

> Course is in 3 learning path(s)

MathWorks® | *Training Services*

Course Completion Certificate

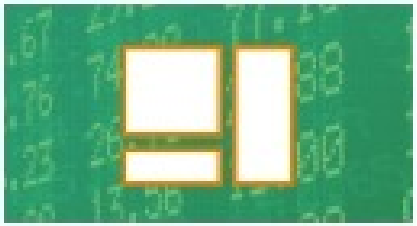
Shashwat Shukla

has successfully completed **100%** of the self-paced training course

Make and Manipulate Matrices

DIRECTOR, TRAINING SERVICES

8 September 2025



Make and Manipulate Matrices

Start course

Share Course | Certificate & Progress Repor

COMPLETED Access expires Apr 30, 2026 | v1

Learn to create arrays in MATLAB with concatenation to build new matrices from existing ones, array creation functions, reshaping arrays, and indexing to extract submatrices.

Course modules

- Introduction 100% | 5 min
- Array Creation Functions 100% | 20 min
- Build New Matrices from Existing Matrices 100% | 0.5 hours
- Extract and Modify Submatrices 100% | 0.5 hours
- Projects 100% | 10 min
- Conclusion 100% | 5 min

Make and Manipulate Matrices

COMPLETED Access expires Apr 30, 2026 | 1.5 hours | Share Course | Certificate & Progress Report

> Course is in 4 learning path(s)

MathWorks® | *Training Services*

Course Completion Certificate

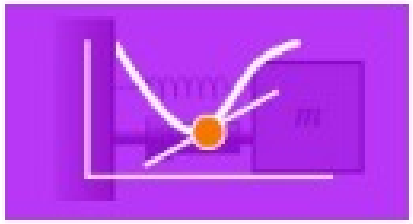
Shashwat Shukla

has successfully completed **100%** of the self-paced training course

Solving Ordinary Differential Equations with MATLAB

DIRECTOR, TRAINING SERVICES

25 September 2025



Solving Ordinary Differential Equations with MATLAB

Start course

Share Course | Certificate & Progress Report | Quick Re

COMPLETED Access expires Apr 30, 2026 | v1—English (

Learn the basics of solving ordinary differential equations in MATLAB®. Use MATLAB® ODE solvers to find solutions to ordinary differential equations that describe phenomena ranging from population dynamics to the evolution of the universe.

Course modules

- Introduction 100% | 5 min
- What is an Ordinary Differential Equation? 100% | 0.5 hours
- Solving ODEs Numerically 100% | 1 hour
- Solving Systems of ODEs Numerically 100% | 1 hour
- Solving Higher-Order ODEs Numerically 100% | 1 hour
- Next Steps 100% | 5 min

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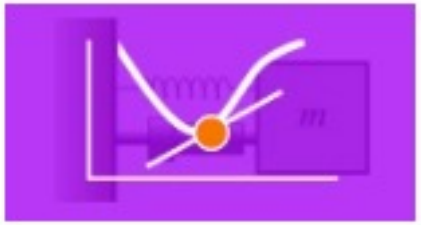

Solving Ordinary Differential Equations with MATLAB

COMPLETED Access expires Apr 30, 2026 | 4 hours | Share Course | Certificate & Progress Report