



INTERNATIONAL INSTITUTE OF  
INFORMATION TECHNOLOGY

H Y D E R A B A D

OUTREACH DIVISION



ID NO 2001446

**CERTIFICATE OF MERIT**

awarded to

**Vidya.P**

for Excellent performance in

**Advanced Certification in  
Artificial Intelligence and Machine Learning**

organized by Outreach Division  
in association with TalentSprint

Jan - Jun 2020

Prof. Ramesh Loganathan  
Head, Outreach

Prof. C. V. Jawahar  
Program Director





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## PROGRAM COVERAGE

### Problem Formulation and Solving

- ◆ Formulating Real World Problems for AI/ML
- ◆ Classification and Regression Problems
- ◆ Intuitive and Simple Algorithms
- ◆ Representation of the World and Real Data
- ◆ Visualization, Data Prep, Unsupervised Learning
- ◆ End-to-end Problem Solving

### Closer Look at AIML Algorithms

- ◆ Linear Algorithms, Optimization and Training
- ◆ Non-linear Solutions and MLP
- ◆ Gradient Descent and Backpropagation
- ◆ Decision Trees, Random Forests and Ensembles
- ◆ Principles and Practice of ML
- ◆ Support Vector Machines and Kernels

### Deep Learning and Practical Issues

- ◆ Introduction to Deep Learning
- ◆ Convolutional Neural Networks
- ◆ Autoencoder
- ◆ Recurrent Neural Networks
- ◆ Overview of Advanced Topics
- ◆ Human In the Loop Solutions, Deployment

## CERTIFICATION FRAMEWORK

Grade	Percentile
Outstanding	Top 10% performers
Excellent	Next 30% performers
Very Good	Next 40% performers
Good	Others

\* Certificate of Merit is awarded to participants who fulfill Attendance Criteria of 75%.

\* Certificate of Participation is awarded to others.