

## SUMMER INTERNSHIP PROGRAM IN

# AI & MACHINE LEARNING (2026)

45-Day Intensive Online Internship

Training + Project Work

### Program Highlights:

▶ **Phase I: 15 Days of Structured Coursework**

- ▶ Python for Data Science
- ▶ Machine Learning & Neural Networks
- ▶ Cyber Security Fundamentals

▶ **Phase II: 30 Days of Practical Project Work**

### Eligibility & Admission:

- ▶ UG/PG/PhD Students in Science & Tech
- ▶ Faculty & Working Professionals

### Important Details:















- ▶ Mode: Online
- ▶ Fee: Rs 970/-
- ▶ Stipend: Available
- ▶ Certification: Training & Internship Certificates

**Register Now: [https://iict.edu.in/summer\\_internship/](https://iict.edu.in/summer_internship/)**

**Registration Start Date: 20<sup>th</sup> April 2026 | End Date: 30<sup>th</sup> May 2026**

# Summer Internship AI & ML Program 2026

## Training Schedule

<b>Day 1</b> <b>Introduction to AI &amp; ML</b> AI, ML, Deep Learning overview; Types of ML; Setup Python & Jupyter 	1	<b>Day 2</b> <b>Python for Data Science</b> Python basics; NumPy & Pandas; Data handling 
<b>Day 3</b> <b>Data Visualization</b> Matplotlib, Seaborn; Graphs and plots 	2	<b>Day 4</b> <b>Statistics for ML</b> Mean, Median, Std Dev, Probability, Normal Distribution 
<b>Day 5</b> <b>Data Preprocessing</b> Missing values, Encoding, Scaling, Train-test split 	3	
<b>Day 7</b> <b>Linear Regression</b> Concept, equation, implementation 	4	<b>Day 6</b> <b>Supervised Learning</b> Regression vs Classification; Model basics 
<b>Day 9</b> <b>KNN Algorithm</b> Distance metrics, K selection 	5	<b>Day 8</b> <b>Logistic Regression</b> Classification, Sigmoid function 
<b>Day 11</b> <b>Unsupervised Learning</b> Clustering, K-Means 	6	<b>Day 10</b> <b>Decision Trees &amp; Random Forest</b> Tree models, Overfitting, Ensemble learning 
<b>Day 13</b> <b>Model Evaluation</b> Accuracy, Precision, Recall, Confusion Matrix 	7	
<b>Day 15</b> <b>Cyber Security using AI &amp; ML</b> Anomaly Detection, Phishing Detection 	8	<b>Day 12</b> <b>Neural Networks</b> Perceptron, basics of deep learning 
	9	<b>Day 14</b> <b>Mini Project</b> End-to-end ML project development 