Mindluster Platform

About the course Responsible Safe AI Systems course

Course Presenter : NPTEL NOC IITM

Responsible & Safe AI Systems course: In this course, we will learn about designing and implementing AI systems with ethical considerations and safety protocols. Responsible & Safe AI Systems course emphasizes risk management, fairness, and transparency in AI applications. NPTEL NOC IITM

Engineering Category's Courses

Course Lesson(47)

Lesson 1 : **Introduction Responsible Safe AI Systems IIITH IITM**

Lesson 2 : **Introduction**

Lesson 3 : **AI Capabilities Part 1**

Lesson 4 : **AI Capabilities Part 2**

Lesson 5 : **AI Risk Part 1**

Lesson 6 : **AI Risk Part 2**

Lesson 7 : **AI Risk Part 3**

Lesson 8 : **AI Risk Part 4**

Lesson 9 : **Robustness Part 1**

Lesson 10 : **Robustness Part 2**

Lesson 11 : **Robustness Hands On**

Lesson 12 : **RLHF**

Lesson 13 : **AI Alignment**

Lesson 14 : **Transformers Part 1**

Lesson 15 : **Transformers Part 2**

Lesson 16 : **Hugging face**

Lesson 17 : **Unlearning**

Lesson 18 : **Approximate unlearning**

Lesson 19 : **Evaluation of Unlearning and Graph Unlearning Part 1**

Lesson 20 : **Evaluation of Unlearning and Graph Unlearning Part 2**

Lesson 21 : **Representation Engineering Hands on**

Lesson 22 : **Introduction to ML Part 1**

Lesson 23 : **Introduction to ML Part 2**

Lesson 24 : **Basics of Neural Networks PyTorch Part 1**

Lesson 25 : **PyTorch Basic Workflow**

Lesson 26 : **PyTorch Classification**

Lesson 27 : **Basics of Neural Networks PyTorch Part 2**

Lesson 28 : **Bias I**

Lesson 29 : **Bias II**

Lesson 30 : **Source of Bias**

Lesson 31 : **Bias Handson**

Lesson 32 : **Bias III**

Lesson 33 : **Bias IV**

Lesson 34 : **Bias in VLM s**

Lesson 35 : **Bias Handon Part 1**

Lesson 36 : **Bias Handson Part 2**

Lesson 37 : **Data Privacy**

Lesson 38 : **Differential Privacy**

Lesson 39 : **Approximate Differential Privacy**

Lesson 40 : **Exponential Mechanism**

Lesson 41 : **Fairness in Machine Learning**

Lesson 42 : **Interpretability I**

Lesson 43 : **Interpretability II**

Lesson 44 : **Interpretability Hands on Part 1**

Lesson 45 : **Interpretability Hands on Part 2**

Lesson 46 : **AI Policies Regulations AGI Part 1**

Lesson 47 : **AI Policies Regulations AGI Part 2**

Related courses

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hinges workshops

CNC Computer numerical control

Jointing Systems

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