

AI For
Society?



SWIPE RIGHT TO KNOW
MORE ABOUT AI FOR SOCIETY



AI FOR SOCIETY: "CODE KINDNESS,
COMPUTE CARE 🖥️❤️"

"CODE FOR GOOD, DEBUG SOCIETY 🖥️❤️"

"AI: HUMANITY'S CO-PILOT ✈️🌟"

"BYTE-SIZED CHANGE, GIGABYTE
IMPACT 🤖🌱"





INTRODUCTION

AI FOR SOCIAL NEEDS:

THE "AI FOR SOCIETY" DOMAIN FOCUSES ON USING AI AND ML TO TACKLE SOCIETAL CHALLENGES, ENHANCE PUBLIC SERVICES, AND IMPROVE QUALITY OF LIFE. KEY SECTORS INCLUDE HEALTHCARE, EDUCATION, ENVIRONMENT, PUBLIC SAFETY, AND SOCIAL EQUITY.

MOTIVATION

- **CONTRIBUTION TO REAL-WORLD PROJECTS AND SOCIAL ISSUES.**
- **COLLABORATION WITH VARIOUS EXPERTISE FROM ACROSS THE WORLD**
- **BUILD A STRONG PORTFOLIO TO STAND OUT.**
- **EXPLORE VARIOUS FIELDS USING AI AND ML**
- **BUILD NEW BUSINESS MODELS.**

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ROAD MAP

1

FOUNDATIONS OF MACHINE LEARNING:

- UNDERSTAND BASIC CONCEPTS OF MACHINE LEARNING (ML).
- LEARN PROGRAMMING LANGUAGES COMMONLY USED IN ML, SUCH AS PYTHON
- STUDY FUNDAMENTAL ML ALGORITHMS AND TECHNIQUES.

2

IDENTIFY AND RESEARCH SOCIETAL CHALLENGES

- **IDENTIFY CHALLENGES:** RESEARCH AND IDENTIFY KEY SOCIETAL CHALLENGES IN HEALTHCARE, EDUCATION, SUSTAINABILITY, PUBLIC SAFETY, OR SOCIAL EQUITY THAT COULD BENEFIT FROM AI SOLUTIONS.
- **NEEDS ASSESSMENT:** UNDERSTAND SPECIFIC PAIN POINTS AND NEEDS WITHIN EACH IDENTIFIED CHALLENGE.

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ROAD MAP

3

DEVELOP AI SOLUTIONS

- **TECHNIQUE SELECTION:** CHOOSE APPROPRIATE AI TECHNIQUES (E.G., MACHINE LEARNING, NATURAL LANGUAGE PROCESSING) TO ADDRESS IDENTIFIED CHALLENGES.
- **PROTOTYPE DEVELOPMENT:** BUILD PROTOTYPES OR PROOF OF CONCEPTS TO DEMONSTRATE FEASIBILITY AND POTENTIAL IMPACT.

4

ETHICAL CONSIDERATIONS AND PILOT TESTING

- **ETHICAL FRAMEWORK:** ENSURE AI SOLUTIONS ADHERE TO ETHICAL GUIDELINES, INCLUDING FAIRNESS, TRANSPARENCY, AND ACCOUNTABILITY.
- **PILOT TESTING:** IMPLEMENT PILOT PROJECTS IN REAL-WORLD SETTINGS TO VALIDATE EFFECTIVENESS AND GATHER USER FEEDBACK.

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ROAD MAP

5

Evaluate Impact and Scale Solutions

- **IMPACT ASSESSMENT:** MEASURE AND EVALUATE THE IMPACT OF AI SOLUTIONS ON ADDRESSING SOCIETAL CHALLENGES AND ACHIEVING DEFINED OUTCOMES.
- **SCALING STRATEGIES:** DEVELOP STRATEGIES TO SCALE SUCCESSFUL AI SOLUTIONS TO BROADER POPULATIONS OR GEOGRAPHIC AREAS.

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Stanford | DeepLearning.AI

Machine Learning Specialization

#BreakIntoAI with Machine Learning Specialization. Master fundamental AI concepts and develop practical machine learning skills in the beginner-friendly, 3-course program by AI visionary Andrew Ng

Instructors: [Andrew Ng](#) +3 more
Top Instructor

Financial aid available

445,397 already enrolled

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Get in-depth knowledge of a subject

4.9 ★ (23,776 reviews)

Beginner level
Recommended experience ⓘ

2 months at 10 hours a week

Flexible schedule
Learn at your own pace

Earn degree credit
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[View 3 course curriculum](#)

100 DAYS OF MACHINE LEARNING
Introduction to ML

Day # 1

100 Days of Machine Learning

CampusX
132 videos 3,853,327 views Last updated on May 4,...

100 DAYS OF DEEP LEARNING

COURSE ANNOUNCEMENT

100 Days of Deep Learning

CampusX
80 videos 1,830,850 views Updated today

Artificial Intelligence & Machine Learning in Finance
Lecture 1 - Course outline
Prof. Dr. Gregor Weiss
Leipzig University

Artificial Intelligence & Machine Learning in Finance

ULFinance
36 videos 119,872 views Last updated on Sep 12, 2021



RESOURCES

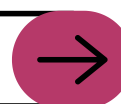
The screenshot shows the Coursera interface for the 'AI for Medicine Specialization' course. At the top, the Coursera logo and navigation links are visible. The course title 'AI for Medicine Specialization' is prominently displayed, along with the 'DeepLearning.AI' logo. Below the title, it lists the instructor 'Amirhossein Kiani' and a '45,132 already enrolled' badge. A blue 'Enroll for Free' button is present, with a note that it 'Starts Jul 10' and that 'Financial aid available'. To the right, a summary box provides details: 'Specialization - 3 course series', a 4.7 star rating from 2,111 reviews, an 'Intermediate level' recommendation, a duration of '2 months at 10 hours a week', and a 'Flexible schedule' option. A link to 'View 3 course curriculum' is also included.

This block shows a browser address bar with the URL 'soq2024.thinkific.com/courses/2024'. Below the address bar is a green navigation bar containing a circular logo with a magnifying glass and a 'Sign In' link on the right side.

Summer of Quant Elementary

Enroll for free

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SUGGESTIONS

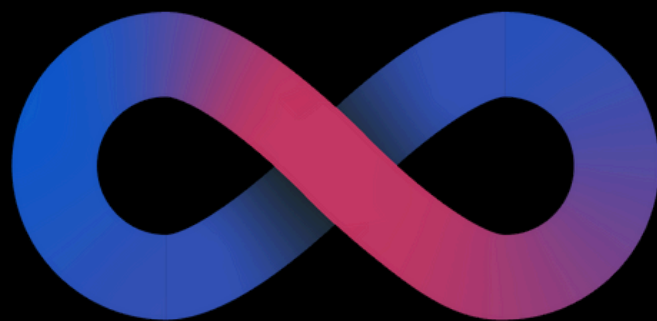
- **EXPLORE PRACTICAL APPLICATIONS:** DIVE INTO SPECIFIC AI APPLICATIONS IN HEALTHCARE, EDUCATION, SUSTAINABILITY, PUBLIC SAFETY, AND SOCIAL EQUITY. CONSIDER HOW AI CAN TRANSFORM THESE FIELDS AND IMPROVE QUALITY OF LIFE.
- **ADDRESS CHALLENGES RESPONSIBLY:** RECOGNIZE CHALLENGES SUCH AS DATA PRIVACY, ALGORITHMIC BIAS, AND ETHICAL CONSIDERATIONS. ENSURE YOUR AI INITIATIVES PRIORITIZE ETHICAL DEPLOYMENT AND SOCIETAL TRUST.
- **STAY INFORMED AND ENGAGED:** STAY UPDATED ON THE LATEST TRENDS AND ADVANCEMENTS IN AI FOR SOCIETAL IMPACT. ENGAGE WITH COMMUNITIES, PARTICIPATE IN PROJECTS, AND COLLABORATE GLOBALLY TO AMPLIFY YOUR EFFORTS.

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