



# school of ai

WELCOME TO SCHOOL OF AI TUNISIA



## About Us

\*School of AI is an educational movement for bringing all the AI enthusiasts under one single roof and helping them with proper resources

\* under the guidance of Siraj Raval and the Deans of making this world a better place to live with AI.

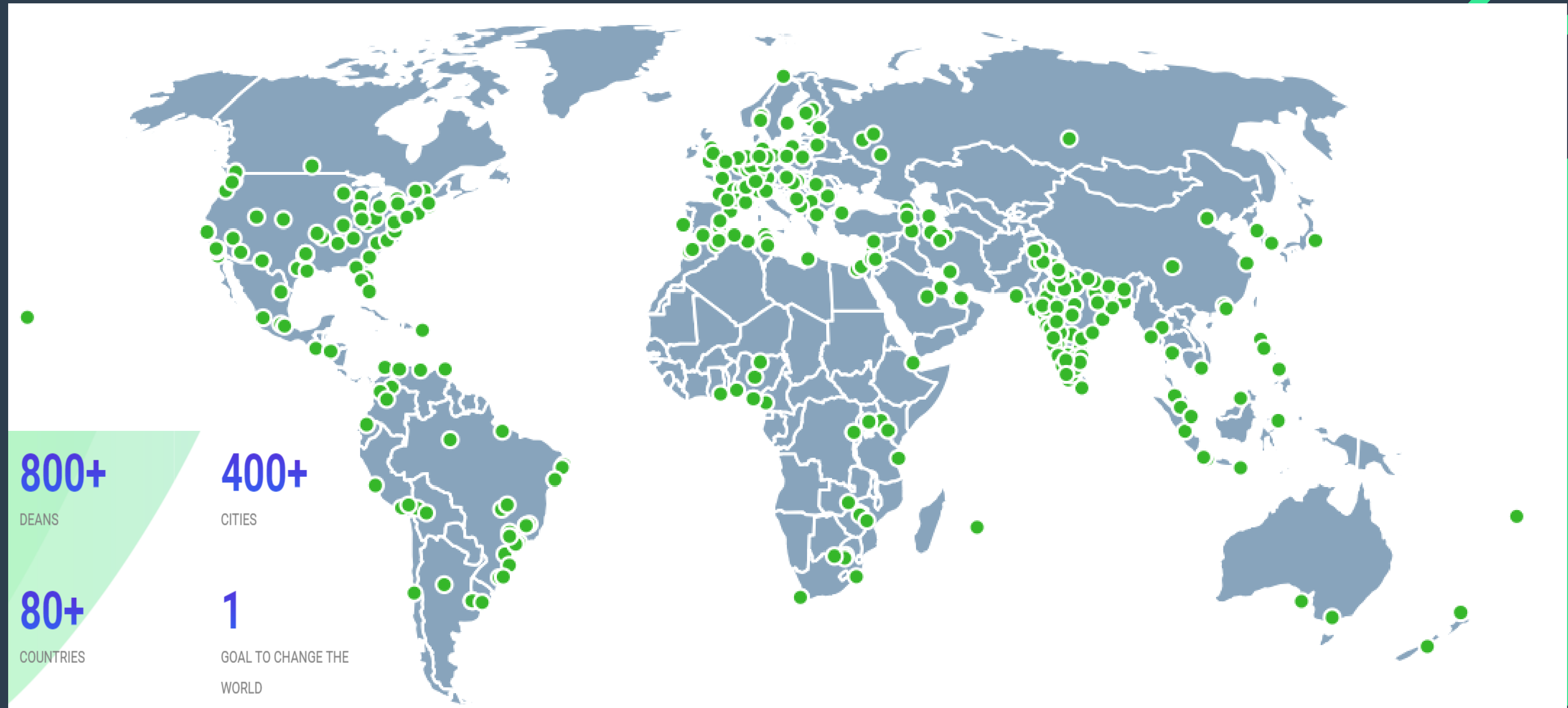
\*This community is for everyone whose interest in AI.

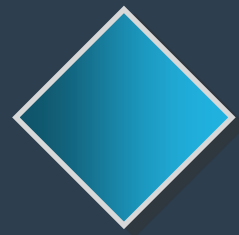


**SIRAJ RAVAL**

School of AI

Director





# Our Core Values

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1. Embrace the Weird (We celebrate radically new ways of thinking. The unusual excites us.)
2. Inspire and Educate (When we influence others, we make sure it inspires & educates them in some way).
3. Data Driven Optimism (We're optimistic people that use data to verify our beliefs.)



# Our Core Values

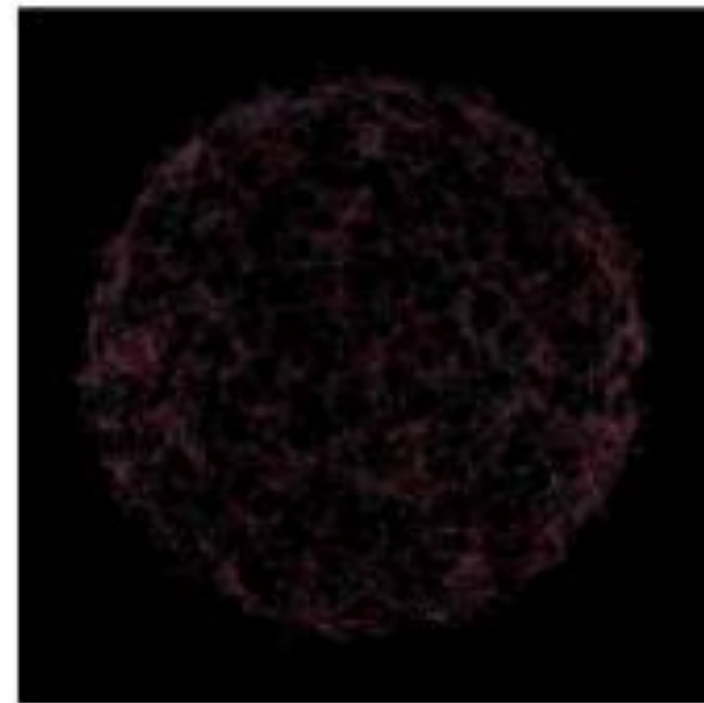


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- 4. Rapid Experimentation (We try to fail fast so we can improve the next iteration)
- 5. Be Frugal (We find clever ways to support ourselves and grow our community)
- 6. Choose Love, not Fear (We try our best to make all of our decisions based on love for ourselves and others)



# School of AI Courses



Decentralized  
Applications

Free

[Read More](#)



Move 37 Course

Free

[Read More](#)



# Curriculum of Decentralized Applications course




- Introduction
- Decentralized Chat
- Decentralized News
- Decentralized Games
- Decentralized Rides
- Decentralized Music
- Building a Decentralized Search Engine App
- Decentralized Marketplace
- Decentralized Social Network
- Decentralized Artificial Intelligence





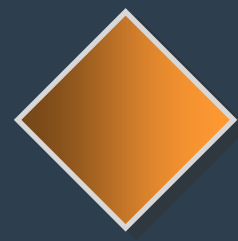
- Markov Decision Processes
- Dynamic Programming
- Monte Carlo Methods
- Model Free Learning
- RL in Continuous Spaces
- Deep Reinforcement Learning
- Policy Based Methods
- Policy Gradient Methods
- Actor Critic Methods
- Multi Agent RL





*I would like to clarify, that being a dean doesn't mean that I am an expert in any way. I'm just a learner. Just as most of the people. School of AI is just an opportunity that presented itself to me at the right time, and I grab hold of it.*

# School of AI \_TUNISIA



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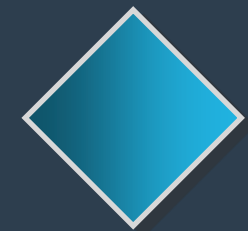


Our community has got a good response from everyone so far. We are updating our plans and session framework focusing on your needs. We have divided our session into two paths.

## 1-Blockchain Path :

Our main goal is to provide the students with the basic concept of blockchain and we will focus on building Application based on the blockchain technology and AI

Ethererum, truffle ,solidity , Remix , Vcode ( you can use other IDE) Test ether Faucet, Geth , Web3.js , OpenZeppelin , infura,Ipfs , Whisper , Metamask, Myetherwallet



# Blockchain the future of ai \_part 1 :

Session1:

Section 1 😊

0. Introduction of the school of ai

1. Future of AI.pptx

2. Intro to Blockchain

3. Intro to Deep Learning

Section: 2 😊

4. Deep Learning Chains





# Blockchain the future of ai \_part 2: Getting deep into the blockchain technology

1. Blockchain's Big Innovation  
is Trust, Not Money

2. Blockchain overview

.How does a blockchain application work

.How do accounts work .What is Gas

.What is Ether .What is Proof of Work &  
proof of stack .How Transactions work

.cryptography

3.bitcoin vs blockchain

→ Activity : private blockchain

4. ICO → CREATE YOUR OWN ICO! 😊  
Initial Coin Offering using ERC20 Token

5. Token Economics

6.Dapp (Smart contract)

7. DAO

8.web3.js

9.IPFS (infura)



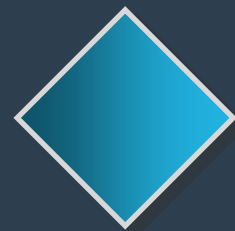
# Blockchain the future of ai \_part 3: Code and deploy our first Dapp using Ethereum blockchain

## Section 1 😊 Ethereum Blockchain

1. What is Ethereum?  
( overview through the architecture behind it)
2. The Ethereum Ecosystem - What Are Blocks?
3. Ethereum Wallet
4. Meta mask And What Is GAS?

## Section 2 😊 Introduction To Solidity

6. Contracts, Constructors & Functions
7. REMIX PRACTICE → Creating First Smart Contract With Solidity And Remix



# Blockchain the future of ai \_part 3: Code and deploy our first Dapp using Ethereum blockchain

8. Variables In Solidity

9. REMIX PRACTICE: Variables

10. Getters & Setters

11. Arrays

12. Memory vs Storage

13. Mappings In Solidity

Section 3 😊 Advanced Solidity

14. What Are Structs?

15. Error Handling & Restrictions

16. Modifiers

17. Libraries

18. Global Variables In Solidity

19. Abstract Contracts,  
Inheritance and Interfaces

20. Events

21. OpenZeppelin framework

Build Secure Smart Contracts in Solidity



# Blockchain the future of ai \_part 3: Code and deploy our first Daap using Ethereum blockchain

## Section 4 ☺ Truffle Framework & Ganache

- 21. Environment Setup - Truffle, Ganache & VSCode
- 22. VSCode Settings & Extensions
- 23. Truffle Project Creation, Ganache & Contract Deployment
- 24. Truffle Compile, Migrate & Create Commands
- 25. More Truffle Commands



## Blockchain the future of ai \_part 3: Code and deploy your first Dapp using Ethereum blockchain

### 😊 Final Project 😊

# blockchain core developer VS blockchain software developer

26. Installing Skeleton & Contract Creation

( we 'll push the code in github )

27. Migration File Creation & Deployment

28. Unit Testing Our Smart Contract

( understanding the utility and mecanisme)

29. WEB3JS(create simple User Interface)

30. Metamask Setup & DApp Testing

31. Deploy our Dapp using IPFS

32 .overview of existing Decentralized applications

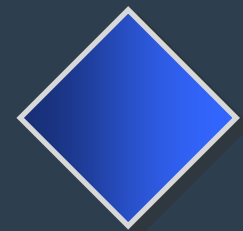
33. Decentralized Artificial Intelligence (OpenMined & Ocean Protocol)



## 2- AI Path ( Roadmap will be available soon)

Aims to introduce the students to the different branches of AI from a programming angle.

- Student will learn the different programming techniques related to the AI field in a particular programming language.
- In this edition, the learning will be in Python , we'll cover Data Manipulation Supervised Learning ,Unsupervised learning , Artificial Neural Networks , RL
- Educational presentations
- Quizzes
- Reading Assignments
- Coding Assignment
- Final Project



# Important Notes for Audience :

\* We will send the prerequisite for the sessions before the meetup so kindly have a look into that before attending the respective sessions

\* For any further queries contact:

[tunisia.schoolof.ia@gmail.com](mailto:tunisia.schoolof.ia@gmail.com)

• Facebook Group :

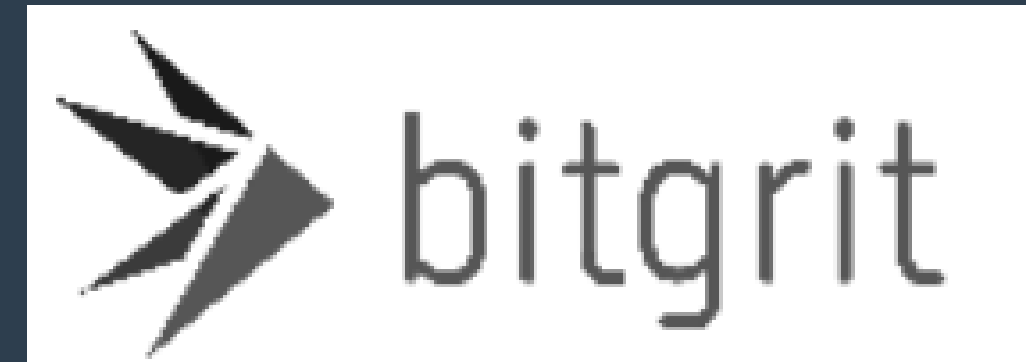
<https://www.facebook.com/groups/schoolOfAITunisia/>

• Github :

<https://github.com/tunisiashool>



# Partner



**Ready to be a speaker? Call us**  
**Ready to be a volunteer? Mail us**  
**Ready to support us? Sponsor us**



**THANK YOU FOR YOUR ATTENTION!**

School of ai Tunisia