



**AGM INSTITUTE**

Through AGRP-AI (I) & AGRP-AI (II) programs, students interact with world-class AI practitioners and build a real-world project.

# AGRP-AI PROGRAMS

Learn the fundamentals of AI & ML (Machine Learning) from expert PhD mentors from Harvard



## AGRP-AI (I) PROGRAMS

5:1 student to mentor ratio

- 10 Week Sessions
- Learn the fundamentals
- Explore a variety of AI application
- AI Project guided by a mentor
- Conducted exclusively online



### Program Goal

Learn fundamentals of AI and work on an AI projects in small group



### Structure

Group classes with 5:1 student to mentor ratio



### Duration

2 weeks Monday - Friday during summer break  
(Date : TBA Time : TBA)



### Student Profile

Grades 9 - 12



### Pre - requisites

None



### Output

A group project with minimum 5 other students



## AGRP-AI (II) PROGRAMS

1:1 guided mentoring

- 12-15 Weeks
- Dig deep into your interests
- Achieve mastery
- Independent AI project at a college level
- Conducted entirely online



### Program Goal

Create a personalized project develop an independent AI project under the guided mentorship of an AI expert



### Structure

1:1 mentoring with an AI expert



### Duration

12 - 15 weeks  
1:1 Sessions with a mentor



### Student Profile

Grades 9 - 12



### Pre - requisites

Basic understanding of Python/ completion of AGRP-AI (I)



### Output

A novel AI model in a field of student is interest, a personalised mentor evaluation assessing your capabilities



### week 1-2

Build a foundation in Python used for AI and understand how to execute a data science project



### week 3-5

Receive an introduction to key topics in AI including regression neural networks, and natural language processing



### week 6-10

Deep dive into some more complex topics (e.g. CNN, Sentiment Analysis)

\*AGRP-AI (II) (Advanced Global Research Program) is a research program for academically ambitious students. Students work one-on-one with a research mentor from a top university to produce an independent research project.



### Month 1 : Discovery & Learning

Learn key concepts in student's passion field, identify question of interest and the required machine learning model.



### Month 2 : Ideas & Data Search

Start analysis of the data and work with mentor assessing feasibility of the project and resources available.



### Month 3-5 : Execution

Create an end project working with mentor to troubleshoot any problems with coding, etc., and build further on ideas.

\*Students will get an opportunity to interact with peers and network with experts who are teaching or working in the AI space. Students are also supported in understanding how they can use this experience for college applications.

AI in Gaming | AI-Healthcare | AI-Climate Change | AI-Finance | AI-Political Science | AI-Education | AI-Mental Health | AI-Sports

**Our Mentors**



HARVARD UNIVERSITY

Yale

UCLA

UNIVERSITY OF OXFORD

AGRP has 750 + mentors from top universities



STEP 1

Application  
Fill out an online application form



STEP 2

Application  
Review



STEP 3

Admission  
Notification  
Sent to parents and student



STEP 4

Start  
Program