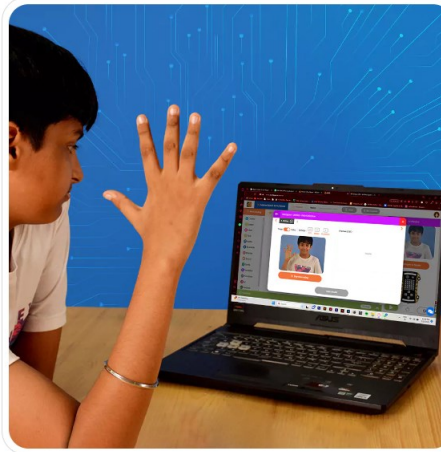


Artificial Intelligence Microdegree

NetPy
Technologies

STEM.org certified

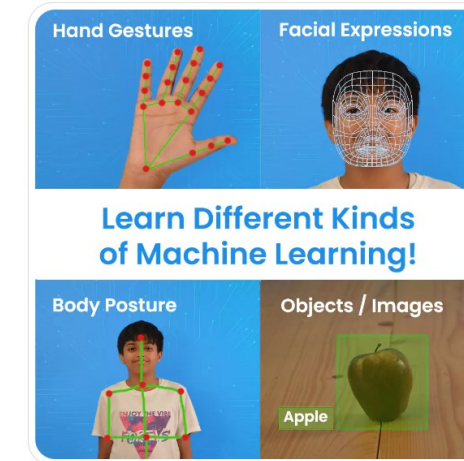
Made by experts from IIT, BITS, Microsoft & Adobe



24 Live Online Sessions
Over 6 Months!



1:1 or 1:4
Flexible
Batches



Learn Different Kinds
of Machine Learning!



Hundreds of
Expert Trainers.



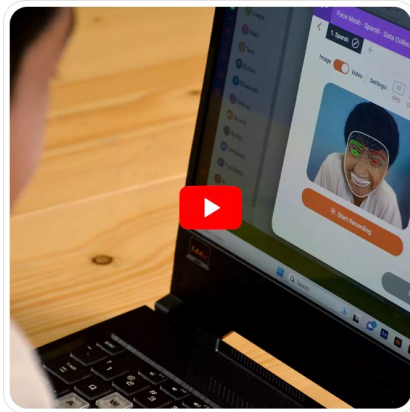
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Artificial Intelligence Microdegree

(11+ Ages)

Get an edge as you master AI concepts

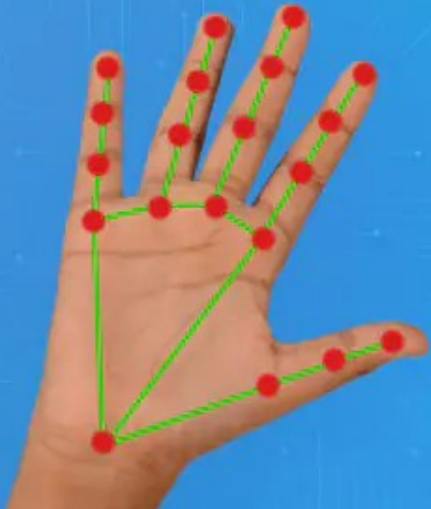
- Learn about **M**achine Learning, **C**omputer Vision and **N**LP
- Learn python and make AI apps



<https://www.youtube.com/watch?v=iqg70PyJyE4>

Learn Skills Required for 80% Jobs in the Future

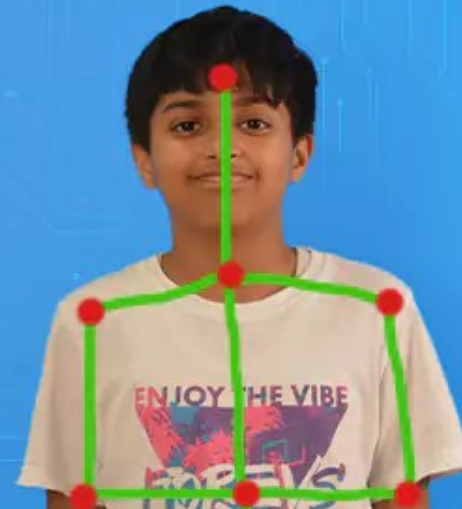
Hand Gestures



Facial Expressions



Body Postures



Objects / Images

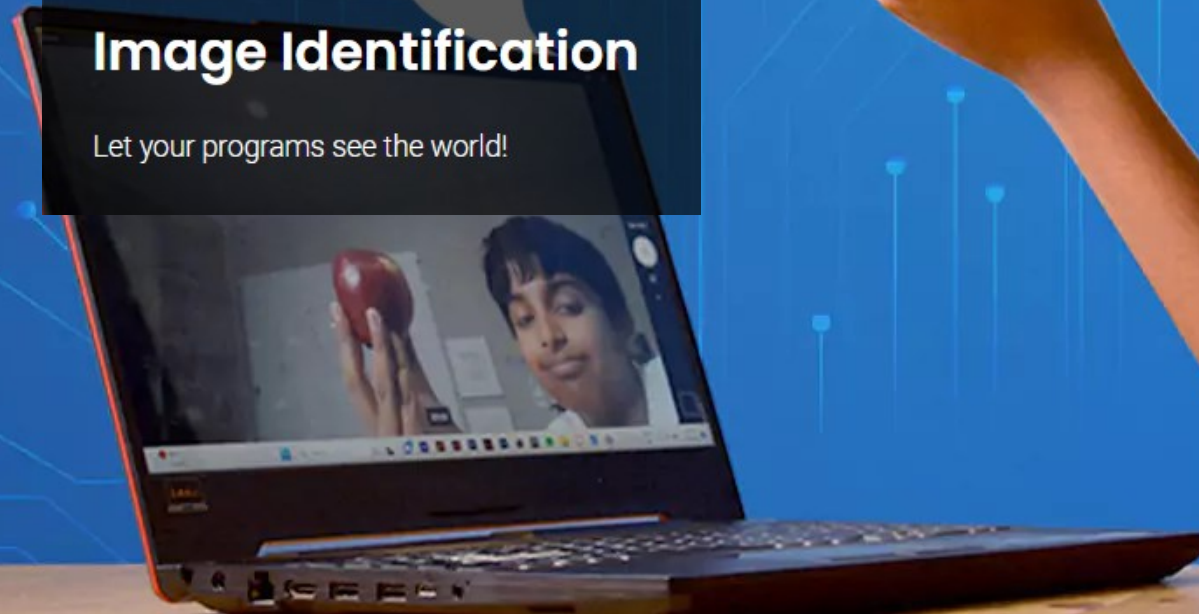
Apple

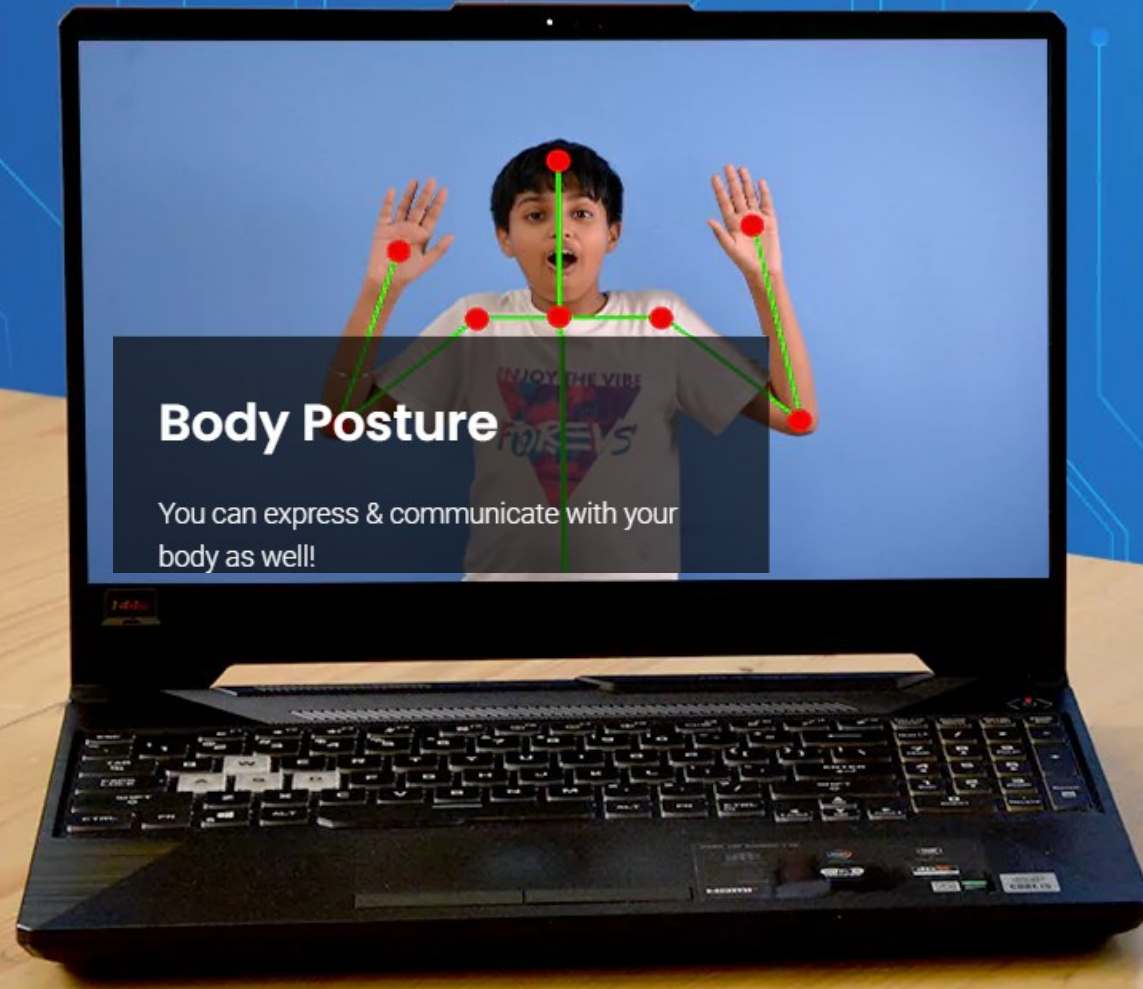


**Object
Detected!**

Image Identification

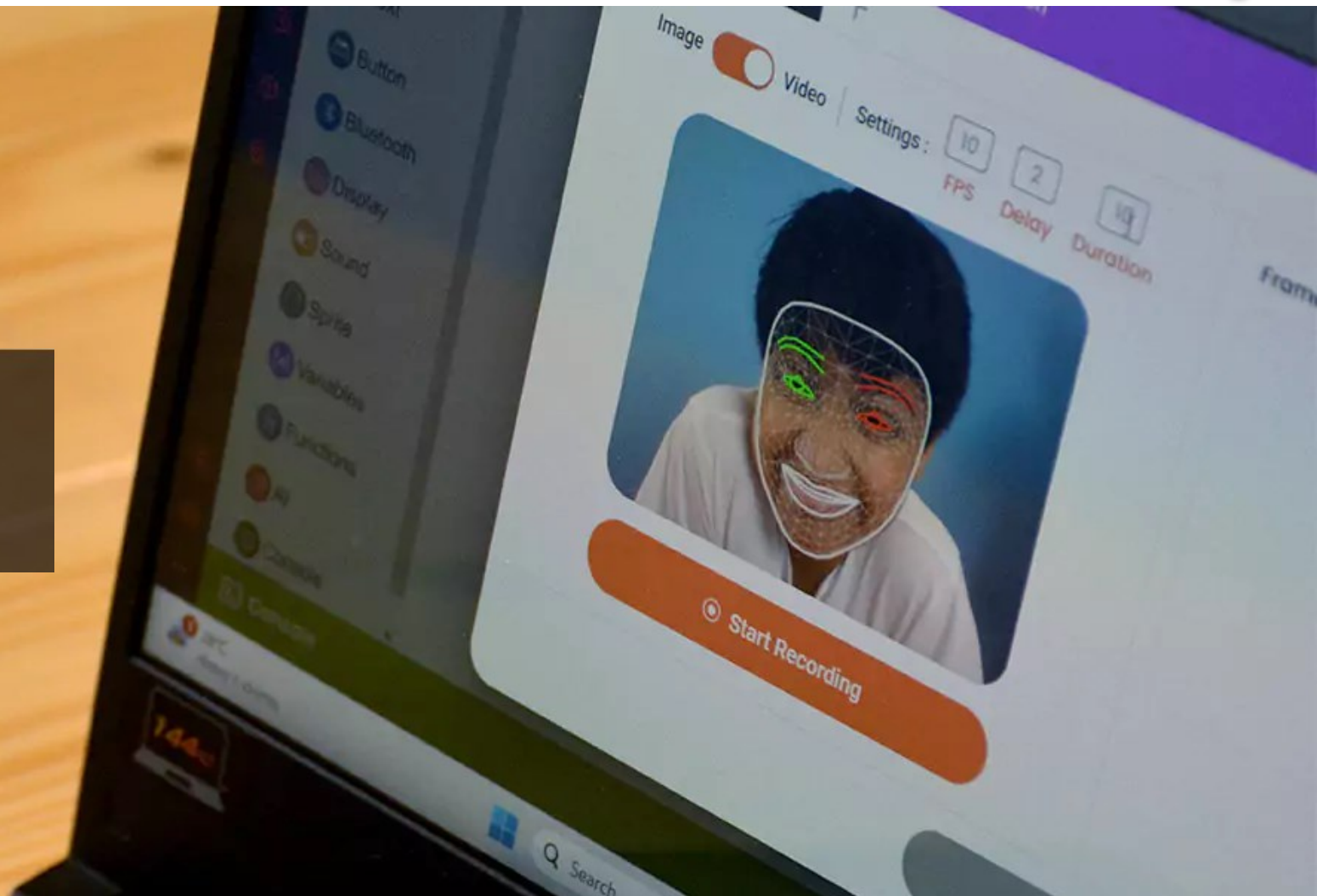
Let your programs see the world!





Facial Expressions

And share your feelings with machines!



Machine Learning

Train apps and games to detect a whole host of AI inputs!

```

197 def recalculate_user(user_ratings):
198     """adds new user and its liked items to sparse matrix and returns recalculated recommendations."""
199
200     alpha = 48
201     m = load_npz('sparse_user_item.npz')
202     n_users, n_movies = m.shape
203
204     ratings = [alpha for i in range(len(user_ratings))]
205
206     m.data = np.hstack((m.data, ratings))
207     m.indices = np.hstack((m.indices, user_ratings))
208     m.indptr = np.hstack((m.indptr, len(m.data)))
209     m_shape = (n_users+1, n_movies)
210
211     # recommend N items to new user
212     with open('model.sav', 'rb') as pickle_in:
213         model = pickle.load(pickle_in)
214         recommended, = zip(*model.recommend(n_users, m, recalculate_user=True))
215         return recommended, map_movies(recommended)
216

```

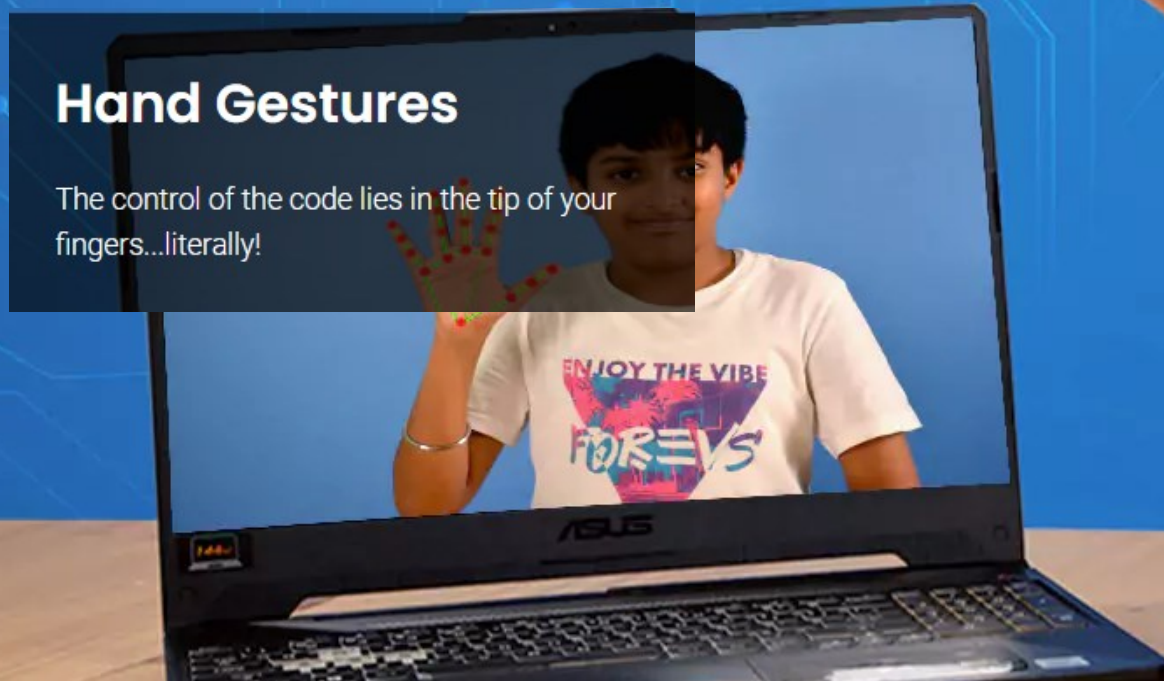
variable unpacking

list comprehension

unnamed variable, zip & multiple assignment with *

Hand Gestures

The control of the code lies in the tip of your fingers...literally!



Hey!

Natural Language Processing

Make softwares that can listen to you!

Hello!

Learning Pathway

Artificial Intelligence Microdegree program is carefully designed to develop a technical bent in your child giving enough exposure to AI concepts as well as coding. As the program grows the children are able to apply multiple concepts in one project.

Starter M1

Starter M2

Starter M3

Advanced M1

Advanced M2

Advanced M3

Learning Curriculum

Artificial Intelligence Microdegree – starter

Artificial Intelligence Starter Microdegree introduces some basic AI principles and understanding of ML, CV, NLP. You also learn coding build your own AI apps.



Includes 3 milestones – (Starter M1, Starter M2, and Starter M3)

3

Course Certificates

24

Live Online Classes

14

Independent
Projects

Learning Curriculum

Artificial Intelligence Microdegree – Advanced

Artificial Intelligence Advanced Microdegree introduces some advanced AI principles and understanding of ML, CV, NLP. You also learn advanced Python and packages for AI.



Includes 3 milestones – (Advanced M1, Advanced M2, and Advanced M3)

3

Course Certificates

24

Live Online Classes

20

Independent
Projects

Starter M1

Starter M2

Starter M3

Advanced M1

Advanced M2

Advanced M3



Emoji Scavenger
Hunt



Rock Paper
Scissors



Emotion Detector



Google Teachable
Machine project



Healthy Food
Selector



Sign Language
Translator



Face Mask
Detector



Demo day



Virtual Puppeteer



Rock paper
scissors – Random
pattern



Make the dog
Happy



Find the shape



Snap project with
different symbols



Secret Code with
friends



Auto draw
invitation card

Starter M1

Starter M2

Starter M3

Advanced M1

Advanced M2

Advanced M3



Interpreter Mode
of Python



Variables and
Datatypes



Calculate Simple
Interest



Print Table of 5



Area of Rectangle



Even odd detector



Factorial



Demo Day



Print 5 statements
about yourself



Correct the
variable name



Calculate Simple
Interest



Use input to create
list



Print Even
numbers



Sum of all
numbers



Print pyramid
pattern

Starter M1

Starter M2

Starter M3

Advanced M1

Advanced M2

Advanced M3



Line plot



Scatter plot



Pie chart



Bar graph



drawing on
images



Safe Calculator



Introduction to
NumPy



Demo Day



Word Counter



Pattern Print



Random Password
Generator



Dictionary
Translator



CVS Data Analysis



Advanced
Number Guessing
Game



Numpy Array
Manipulation

**Curriculum designed
by alumni and
veterans from
prestigious universities
and companies**



Let's Avishkaar

Your kids get access to our global community Let's Avishkaar with thousands of innovators from across the globe



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webinars



Free workshops
and how-to-videos



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on next-gen tech



Regular competitions
win prizes upto Rs10,000/-

Participate in International Avishkaar League!

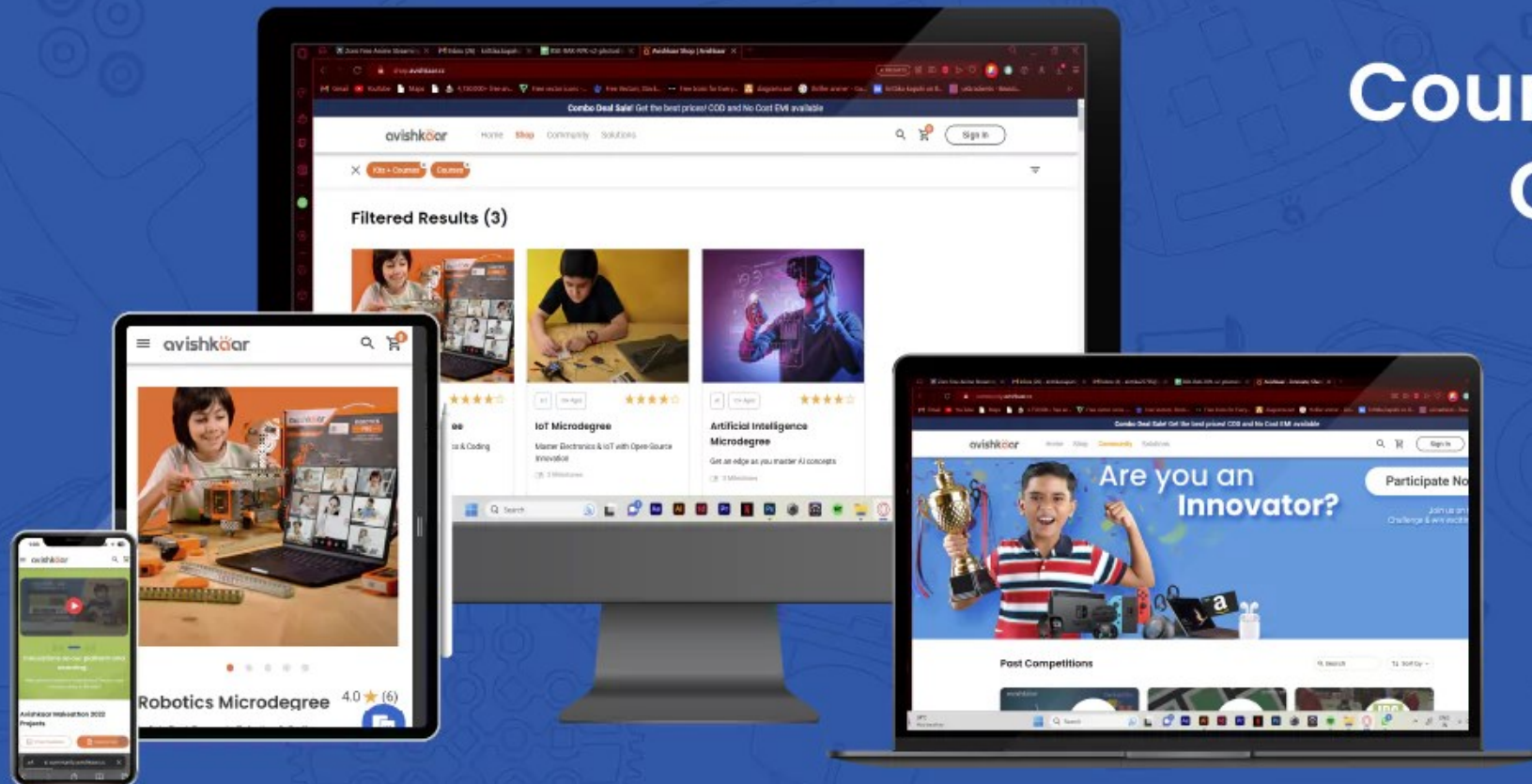
**Win Prizes Upto
Rs. 5 Lacs!**



Regular DEMO Days to Boost Communication Skills!

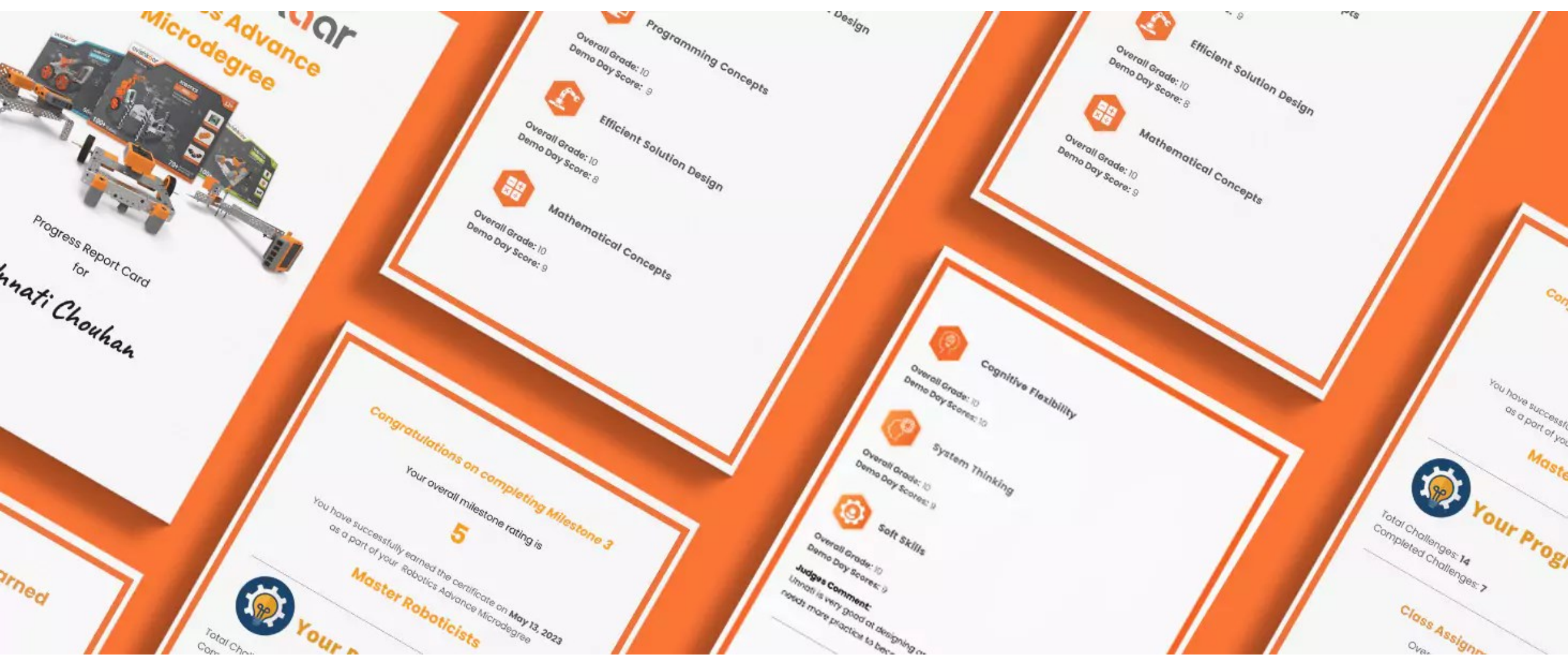


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Competitions!**

Detailed Progress Reports So You're Always Updated About your Child's Progress!



Shining Globally

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Govt. of
Maharashtra



Govt. of
Tamil Nadu



Govt. of
Andhra
Pradesh



Govt.
of
Sikkim



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Avishkaar Newsroom

NetPy
Technologies



"Avishkaar : nurturing the skills of the future at an early stage for kids"



"Now 5 year olds can build their own robots with Avishkaar!"



"Celebrating the culture of innovation in the national capital with Avishkaar League!"



"Serial entrepreneur Pooja Goyal joins Avishkaar as COO"



"Avishkaar : aiming to remove the gender bias that starts early in STEM"



"Here's how this 10-year-old from UP developed a contactless dispenser to curb COVID-19 spread"

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Avishkaar Newsroom

The logo for India Today, featuring the words "INDIA" and "TODAY" in white, bold, sans-serif capital letters stacked vertically on a red rectangular background.

"Avishkaar organises Asia's biggest robotics competition in Gurgaon!"

The logo for The Hindu, featuring a traditional Indian crest with an elephant, a galloping horse, and a lion, with the words "THE HINDU" in blue, serif capital letters below it.

"Avishkaar applauded by Arvind Kejriwal, CM of New Delhi"

The logo for Times Now, featuring the word "TIMES" in white, sans-serif capital letters on a red background, and the word "NOW" in white, sans-serif capital letters on a blue background.

"Avishkaar joins Amazon SMBhav accelerator"



"Thousands of students gather at Avishkaar League to make exciting robots!"

The logo for ET (Economic Times), featuring the letters "ET" in white, serif capital letters on a red rectangular background.

"Serial entrepreneur Pooja Goyal joins Avishkaar as COO"

The logo for Forbes, featuring the word "Forbes" in white, serif capital letters on a black rectangular background.

"Avishkaar : aiming to remove the gender bias that starts early in STEM"

Join our community



200,000+

Innovators



5000+

Schools



25+

Countries

Thank you !

