12-WEEK INTENSE ONLINE

Machine Learning Program

PROSPECTUS

"Over the next five to ten years, the biggest business gains will likely stem from getting the **right information** to the **right people** at the **right time**."

~ Harvard Business Review 2016

HELLO FROM JED-I

"Scientists study the world as it is; engineers create a world that has never been."

~ Theodore von Karman

Jed-i is all about discovering the joy in being a creator - the joy in building structures, machines, systems and processes.

For us, Jed-i is the way of sharing the Joy of Engineering, Design and Innovation with young engineers who, we hope, will go on to build the next generation of global companies out of India.

One such step is the online machine learning program. We believe that Machine Learning will transform every aspect of our life. As India enters a cashless society and readies itself for transformation, it is inevitable that all aspects of our lives will be touched by machine learning and data science.

We want young and young-at-heart engineers like yourself to shape this future.

JED-I

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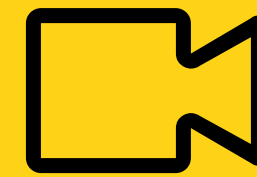
MACHINE LEARNING PROGRAM

Online LMS
You will log in to a learning management system to access weekly concept note, examples and exercises.

Assignments
You will work on your exercises by yourself or along with your peers on a closed slack group.

Webinar
You will participate in an online, instructor-led interactive session every Saturday.

Capstone
You will gain hands-on experience of applying your learnings in your capstone project.

Certification
On successful completion, you will be a Jed-i certified machine learning professional.

INTUITION FOR MATH | ML THEORY | ML APPLICATION

SYLLABUS

Week 0	Week 1	Week 2	Week 3
Intro to ML using Python	Regression, Least Squares	Math required for ML	Maximum Likelihood Estimates Linear Regression + Regularisation

Week 4	Week 5	Week 6	Week 7
Logistic Regression	Perceptron and SVM	Decision Trees and Random Forest	Unsupervised Learning: K-Means, Gaussian Classifiers

Week 8	Week 9	Week 10	Weeks 11-12
Mathematics for Deep Learning Deep Learning: Back Propagation	Recursive Neural Networks, LSTM	Convolutional Neural Networks	Capstone

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12-week intense online Machine Learning program | Course starts 2nd Feb, 2019

OUR TEACHING FACULTY

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Dr. V Vinay

Dr. Vinay started his career at the Center for Artificial Intelligence and Robotics. He was a professor at the India Institute of Science (IISc) before becoming an entrepreneur.

While at IISc, he co-invented the Simputer, and pioneered the faculty entrepreneurship activity, which served as a model for other educational institutes in India. He has co-founded multiple companies including Strand Lifesciences, PicoPeta Simputers, and LimberLink Technologies.

Apart from leading Jed-i, he is also currently an adjunct professor at the Chennai Mathematical Institute (CMI)

Dr. Naveen Arulselvan

Dr. Naveen obtained his undergraduate degree from BITS, Pilani and Masters/ Ph.D. from Northwestern University.

Before beginning research at Ati and collaborating with Jed-i, Dr. Naveen has worked in cellular systems design for Motorola, Nokia and Altiostar networks.

His current interests include driving policy, trajectory planning and controller design for autonomous vehicles.

Dr. Jagadish

Dr. Jagadish obtained his Masters and Ph.D. from IIT Bombay. In the past, he has used data mining techniques to prepare summary reports for decision-makers at Unilever. Prior to joining Jed-i, he was a postdoctoral fellow at Chennai Mathematical Institute.

His interests span education, algorithms and graph theory. He now endeavours to make modern tools of mathematics and machine learning accessible to students.

OUR TEACHING FACULTY

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Dr. Rengarajan

Dr. Rengarajan has had a 20 year long career in technology and data sciences.

He was CTO at Dabzimo, where created a platform for extracting knowledge from the unstructured data using natural language processing (NLP) and artificial intelligence (AI) techniques. Earlier, at Semantic Insights, he directed the product development based on NLP, ontology and semantic concepts.

Krishna Panyam

Krishna has a Masters in Computer Science from Indian Institute of Science (IISc), Bangalore. In his 20 years' experience in software development and engineering, Krishna has been with Cisco for 10 years, in the area of voice applications. Most recently, he was a co-founder of GloMantra, an internet start up.

At Jed-i, he is our resident data visualisation guru. He loves to practice and teach Origami in his spare time.

WHAT OUR ALUMNI SAY

"This was a very good intro to ML. I have taken some online courses in the past but this class gave me new perspective of the concept."

Soumendra Das,
Chief Architect, Intuit India Development Center

"A headstart to people who want to dive into machine learning. There will be no more of wasting of days just to figure out the basics to get started."

Rajeev Kumar M,
Group Program Manager- Intuit Data Engineering & Analytics (IDEA)

"The combination of the webinars, jupyter notebooks, and the whole dialogue way of structuring the lessons made it pretty intuitive."

Vishy Kuruganti,
SVP, Yatra

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ARE YOU ELIGIBLE?

✓ Are you self motivated?

✓ Do you understand that it's an intense course?

✓ Do you know Python programming?
(If not, and you are willing to learn it in a few weeks, consider the **Jed-I online Python for ML program**).

✓ Are you mathematically inclined?

✓ Can you devote 6 hours every week for 12 weeks?

If your answer to the above questions is yes, you are eligible.
Proceed to apply now.

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CONTACT US

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VISIT OUR WEBSITE