3 projects

japture
CAPTURE YOUR BEST.

5 Days Online Bootcamp on
Machine Learning using Python for Beginners

Organized By: **Japture** Initiative of **Scrollwell**

Date: July 29 - Aug 02, 2024
Time: 06:00 PM - 08:00 PM

In Collaboration
Lyallpur Khalsa College Kapurthala, Punjab

ONLINE MODE - ZOOM VIDEO CONFERENCING

About
Japture.

Japture is an ambitious initiative launched by Scrollwell, aimed at building the next generation of skilled professionals by providing a 21st-century learning platform for students. This innovative project is designed to unlock knowledge, skills, and opportunities through a combination of cutting-edge training, world-class courses, and a vibrant, supportive community.

At its core, Japture embodies Scrollwell's mission to bridge the technological gap in education and empower educators and students alike. By leveraging Scrollwell's expertise in live training for professional development, Japture offers meticulously crafted programs that address the diverse needs of learners. These programs encompass various themes, including Engineering, Education, Start-up, and Entrepreneurship, ensuring that participants receive comprehensive and relevant training.

Japture's mission is to empower students by providing them with the tools and opportunities needed to succeed in their chosen fields. By bridging the technological gap in education, Japture aims to create a future where every student has access to high-quality, relevant education that prepares them for the challenges and opportunities of the 21st century.

We are recognized by esteemed organizations including **Startup India, MSME and Skill India Supported by Start-up Bihar** and the Centre for Innovation, Incubation & Legal Entrepreneurship, Chanakya National Law University, Patna.

We are part of
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STARTUP
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Lyallpur Khalsa College Kapurthala

The College envisions to provide healthy educational environment to the pupils so as to show their potentials to achieve great heights of success adding to college's pride.

College has the state of the art campus with spacious and airy classrooms, modern computerized office, staff room, well – equipped IT and science laboratories (chemistry labs/physics labs/computer labs/Fashion Technology labs) and strong room, seminar hall, well stocked library and gym.

Aim & Objectives

- *Active participation in all the academic and co-curricular activities.*
- *Making our students optimistic, creative, independent and confident.*
- *Cultural and Spiritual growth by organising various cultural and religious activities.*
- *Social Development of the students to become active members of society.*
- *Inculcating the moral values to make them responsible citizens.*
- *Overall Physical and mental development to serve the society and country*

Lyallpur Khalsa College Kapurthala
Urban Estate,Kapurthala Punjab

Overview of Bootcamp

This Bootcamp is 5 days learning program will be completely online on Zoom Meetings platform this is a head start from basics of machine learning to the making of basic machine learning projects will be covered and participants will be making their own projects by using the machine learning and python skills, learned in these 5 days. We wish you all the best for this learning experience and here are some guidelines that participants required to follow throughout the Bootcamp.

Timings and Duration: Training Program will run 2 hours each day from 06:00 - 08:00 in the evenings. On any day if required that session duration may be altered with minor changes for a better learning experience. As day 1 will be starting 25 minutes prior for the inaugural and guidance from the guest of honour. Other than 2 hours of the live training, participants may be assigned with some assignments for their betterment.

Learning Outcome Test: There could be a short learning outcome test at the end of sessions in these 5 days. The tests will be set up to revise whatever is learned on that day. The score of the test will not impact on your certification as this will be a learning exercise and attendance purpose only. The test will be conducted on the website of scrollwell, the test link will be communicated in the before the test. The tests will be mandatory for all to answer and submit as this will be considered as attendance. Tests will be live after the end of the session for 30 minutes and have to be submitted in the timeline.

Bonus: As a Bonus to this Bootcamp, you will get the Recorded videos of the session, Learning Resources/Step by Step Guide, and helpful e-books for self-learning.

Projects As mentioned earlier there will be a total of 3 projects, participants can create these projects hands-on along with the mentor or separately after the session is ended with or without the help of session recordings as per your learning pace.

Certifications We want participants to be totally dedicated for the course and not to miss any part of the Bootcamp. Still keeping the relaxation, certification will be provided to the participants with attendance of at least 80% in the Bootcamp

The other criteria for certification is the participant needs to complete at least one out of 3 projects in the Boot Camp timeline.

Curriculum:

Day 1: Introduction to Machine Learning and Python Programming
- Introduction to machine learning, Big data, need of ML
- Role of Python and R programming in this domain
- Introduction of Python syntax and programming logics
- Deep dive with Supervised and Unsupervised learning
- Basic of python and why python for machine learning

Day 2: Installation of Python Libraries in System
- Setting Up Jupyter Notebook
- Quickstart Python
- Quickstart Numpy
- Quickstart Data Visualization
- Quickstart OpenCV
- Quickstart Pandas

Day 3: Supervised and Unsupervised Learning
- Working with Python for ML
- Types of learning, Classification, regression
- Training your machine with real-time datasets
  Project: Movie Recommendation System

Day 4: Working with classification algorithms
- K Nearest Neighbours Algorithm Introduction
- K Nearest Neighbors Implementation
  Project: Recognizing MNIST Handwritten digits using KNN

Day 5: Deep Learning, Image search, and recognition
- Open CV – Image Processing with Python
- Open CV – Working with images Part – I
- Open CV – Working with images Part – II
- Face Detection using HaarCascades
- Working with Video Stream from Webcam
  Project: Face Recognition Project

Know our
trainer.

A dynamic perfectionist and Result Oriented Computer and Math's Postgraduate, M. Phill in Computer Science and PhD (Computer Science) where She proposed the security solution for Digi Locker and UIDAI.

She has close to 27 years of extremely rich and fast track experience in Information Technology with specialization in Hadoop Security. Her expertise is Data Science, Machine Learning, Python, Oracle, Linux and many more programming languages along with being an Out of the box innovative leader. She has made a valuable contribution to the field of research, having written more than 30 research papers in the different areas of Machine Learning, Big Data and Hadoop Security.

She has a published various patent on AI and Machine Learning in the official website of patent journal, Government of India. Specialization in Artificial Intelligence, Machine Learning, Data Science, Data Analytics, Hadoop Security, DBMS Applications, Programming Languages, Web Site Designing

Dr. Arpana Chaturvedi

Associate Professor (Dept. of AI/ML/IT)
New Delhi Institute of Management - New Delhi

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Intuitive & Detailed Explanations

"Inspiring lectures with clear, concise, and engaging explanations."

HD Videos + Crystal Clear Audio

"High-quality videos with clear audio for optimal viewing experience."

Practice Exercises, Real-Time Feedback

"Improve skills with interactive exercises and instant feedback."

Lifetime Access, Pocket Friendly

"Long-term value with budget-friendly options for continued access."

Project-based learning

"Hands-on learning through practical projects and real-world application."

Completion Certificate

"Official recognition of completion for added credibility and motivation."

Program Fee:
INR 299/- Including GST

Registration Link:
https://japture.com/machine-learning-bootcamp-for-beginners/

RESITRATION LINK

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