INDUSTRIAL PROGRAM IN MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE

Confluence of AI with Industry 4.0

2021

Project Overview

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CEO
Ridish Technologies

KAUSHAL (कौशल) is an Industrial Program in AI and Machine Learning offered by Ridish Technolgies. This program is designed to provide deep technical training to the students in the field of Machine Learning, Artificial Intelligence, NLP and programming languages needed to excel in this domain and start your career in Artificial Intelligence.

This certification program is delivered through our state-of-the-art virtual learning environment, which provides students access to all resources required for interactive study online.Throughout this exclusive Artificial Intelligence certification online program, you'll build and deploy Deep Learning models on the cloud, work on voice assistance devices, and gain access to public GPU-enabled labs.

Mission

Our mission is to deliver world class research and teaching, educating our students to become future leaders and innovators, and benefiting the wider population through our research, enterprise and influence.

Vision

Our vision is to be recognised as an international centre of research and teaching excellence, achieving global impact through our alumni, research and strategic partnerships.

Benefits And Certificates With KAUSHAL

Focused Curriculum
A rigorous industry focused curriculum.

Career Assistance
Placement Assistance, job Portal & Hiring Drives.

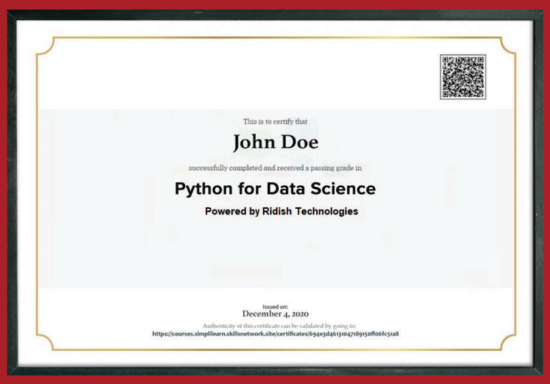
Master Mentors
Learn from experts with deep research and experience.

Hackathons
Exclusive Hackathons and Live interaction with industry experts.

Capstone real life
Practical Hands-on real life capstone projects.

Continuous Assessment
Throughout the semester using quiz and assignment.

Under KAUSHAL Industrial Program you will be awarded with 2 certificates after successful completion.



Certificate of specialization

Certificate of experience

Meet Our Industry Experts

Praveen Joshi
CTO

Vishal Kesti
ML Engineer

Kathireshan Natarajan
Associate Manager

J. Radhakrishnan
Technical Architect

Jonatanu Anem
NLP Engineer

Mrutyunjay Hiremath
Automation Engineer

Best of the practical learning often doesn't need a classroom.

PROGRAM CURRICULUM

Python for Scientific Programming

Core Module

a. Foundation
Learn about the data types, syntax, conditional looping and Object-Oriented Programming (OOP).

b. Array Manipulation
Learn about multi-dimensional arrays and perform mathematical operations on them.

c. Data Wrangling
Learn how to perform mathematical and statistical queries on a dataset.

d. Visualisation
Learn the ways to represent the statistical qualities of a dataset.

Applied Statistics and probability

Core Module

a. Data Collection & Probability
You will learn about the collection process, descriptive statistics and primer of probability.

b. Probability Distributions
You will learn about discrete, continuous and normal distributions.

c. Non-parametric methods
You will learn different parametric tests for hypothesis testing.

d. Statistical Inference
You will learn the way to perform and present the findings of statistical inference.

Machine Learning

Core Module

a. Exploratory Data Analysis
You will learn how to describe the data to buy out valuable insights from data for pre-processing.

b. Supervised Algorithms
You will learn about algorithms needed to perform supervised AI model development.

c. Unsupervised Algorithms
You will learn the differences between supervised and unsupervised learning with algorithms.

d. Evaluation functions
You will learn about best practices to adhere for evaluation of the ML model.

PROGRAM CURRICULUM

Python for Scientific Programming

Core Module

a. Regression Problem
You will learn about gradient descent and introduced to linear and multi-linear regression.

b. Development of Neural Network
You will learn about the development of the neural network.

c. Convolutional Neural Network
Here you will get to know about CNN's for object detection and image recognition

d. Recurrent Neural Network
Know about the basic recurrent unit, LSTM and GRU.

Natural Language Processing

Elective Module

a. Language Modelling
The topic will introduce you to language processing, language models and evaluation techniques.

b. Parsing for NLP
You will learn about Context free grammar, Syntactic parsing, Structural, attachment and coordination ambiguity.

c. Machine Learning
You will learn about the confluence of NLP and ML.

d. Machine Translation
The topic will introduce you to linguistic knowledge and evaluation metrics for MT.

Machine Vision

Elective Module

a. Image Processing
The topic will introduce you to image capturing methodologies and image pre-processing algorithms.

b. Image Descriptor extraction
You will learn about different feature points along with techniques to extract them.

c. Filters and Evaluation techniques
You will learn about statistical and empirical parameter estimation to cope with outliers.

d. Camera Modelling
You will learn about projective geometry in 1d, 2d and 3d space and their application.

About Company

Incepted in 2020 , Ridish Technologies (Pvt) Ltd. is a leading Development & Design expert company providing superior Software, Web, Mobile and Creative Designing solutions and services to companies globally.

PROGRAM STARTS

Semester-wise

PROGRAM DURATION

6 MONTHS

VENUE

ONLINE

Get In Touch

If You Have Any Query Please Feel Free To Contact Us.

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