

ARTIFICIAL INTELLIGENCE INTERNSHIP PROGRAM

Artificial intelligence:

- Introduction to Artificial intelligence.
- A Brief explanation of AI vs ML vs DL.
- Installation of AI Software.
- Introduction of scientific computation core libraries.
- Programming styles for multidimensional array and tools.

Computer Vision:

- Introduction of Computer Vision.
- Installation and operations of open-CV.
- Building up models for open-CV

Facial Detection:

- Loading Images and other operations with those images.
- Face Detection using open-CV.
- Capturing live video and preprocessing.
- Face Detection on live video streaming in local as well as external host.

Facial Recognition:

- Introduction of facial recognition Algorithm.
- Programming styles for these algorithms.
- Training and testing and building models.
- Project work 1

Speech Recognition:

- Introduction of speech recognition.
- Different ways to implement speech recognition.

- Customization of Algorithms and speech.
- Developing a customized Speech detector.

Cloud Controlling:

- Introduction of Cloud Access.
- Steps to update and retrieve commands.
- Application of Cloud Control.
- Developing a smart home system using Cloud .