



EDUCATION

DIT University, Dehradun B.Tech. - Computer Science & Engineering CGPA: 7.59 / 10	2021 - 2025
St. Marys Sr Sec School, Haridwar 12 th CBSE Percentage: 76 / 100	2021
St. Marys Sr Src School, Haridwar 10 th CBSE Percentage: 83.80 / 100	2019

INTERNSHIPS

CSIR _ CSIO Research Institution (Minsiatry Of Technology) | Technology 27 May, 2024 - 27 Jul, 2024
Research Fellow

Key Skills:

Virtual Reality Neural Networks Augmented Reality Image Processing Image Segmentation Deep Learning
Immersive AI

▯ ML and DL based work:-

Skills Acquired (Functioning of CNN architectures, Image Processing ,ML algorithms)

-Developed a fully functional Deep Learning based algorithm for Diabetic Foot Ulcer Thermal Imagery Classification.

- Developed algorithm for plotting the future healing trajectory of the Diabetic Foot Ulcer by Thermal Imaging camera FLIR – E60.

-Worked on various CNN architectures and pretrained models like Resnet 50, Xception, Inception V3, NASNetLarge, VGG16, VGG19.

▯ Immersive AI based work:-

Skills Acquired (VR ,AR ,MR Application Development ,Unity Game Engine, ML integration in Unity, C# Programming)

-Developed Virtual Reality based Battle Grounds Game which spawns a player in the Virtual environment and allow the user to move the and shoot them enemy target(s).

-Developed an Augmented Reality based dragon game which spawns the dragon in the real environment of yours and is movable by the provided joystick.

-Developed Mixed Reality based furniture trial app that spawns the furniture in the real environment and is draggable, rotatable, resizable according to your place.

PROJECTS

Solar Tracker 09 Feb, 2023 - 28 Sep, 2024

Key Skills: Embedded C Embedded Systems Arduino UNO Internet of Things Electronics

Project Link: <https://github.com/Legenddop/Projects/blob/main/Solar%20Tracker%20Code>

An IOT based project which Arduino Programming is used to implement a model that sense the sunlight and accordingly rotate towards the sunlight for best efficiency.

Jarvis – ML Based Voice Assistant 06 Apr, 2023 - 22 Aug, 2024

Key Skills: Machine Learning Deep Learning Speech Recognition Python Website Search using python

Project Link: <https://github.com/Legenddop/Projects/blob/main/Voice%20assistant%20code>

An ML based project .It can perform various tasks on speech recognition like opening chrome ,wikipedia ect, play song from spotify. It can further modified for various task . Its totally developed with python programming language.

NLP based Text Recogniser 02 Mar, 2024 - 30 Apr, 2024

Key Skills: Machine Learning Deep Learning Natural Language Processing Image Processing

Project Link: <https://github.com/Legenddop/Projects/blob/main/Text%20Recogniser>

It is a supervised machine learning model that first is fed by the Mnist dataset that contains various images of handwritten text and then convert the user input to the text language

Graph Algorithms Based Route Maker

01 Nov, 2023 - 29 Dec, 2023

Key Skills: Data Structures Java Graph

Project Link: <https://github.com/Legenddop/Projects/blob/main/Graph%20algo%20projects>

Its java program that takes no. of destination and the food outlets and also the distance between the locations and outlets and the by using various graph algorithms like kruskal's , dijkstra etc it finds the most efficient route for the delivery partner to deliver the food

ASSESSMENTS / CERTIFICATIONS

Google Data Analytics

Key Skills: Data Analysis SQL Data Visualization Data Management General Statistics

Machine Learning With Python

Key Skills: Regression Classification Clustering K-means KNN Clustering

Introduction To Deep Learning

Key Skills: Algorithms Artificial Neural Networks Deep Learning Human Learning

SEMINARS / TRAININGS / WORKSHOPS

Google Dev Fest Institute Name: Google

01 Dec, 2023 - 01 Dec, 2023

Key Skills: Data Analysis EDA Machine Learning Image Processing

Organised by Google Developer Society Dehradun , Learned about various technologies related to data management visualization , ML , DL, CNN, RNN

Technical Workshop

13 Sep, 2023 - 14 Sep, 2023

Institute Name: DIT University

Key Skills: Computer Vision CNN Speech Recognition Machine Learning Deep Learning

esteemed professors of IIT Kanpur on " Machine Learning and Computer Vision", learned about Computer Vision and Models , YOLOv5 model for image recognition

Dronify

12 May, 2023 - 14 May, 2023

Institute Name: DIT University

Key Skills: Internet of Things Drone Technologies Arduino UNO STM ESP

Attended Technical Workshop " Dronify " ,on Oct 2023, learned about the drone technologies which is organised by Berry Avionics , learning in Drone tech and IoT based models.

PERSONAL DETAILS

Gender: Male

Marital Status: Single

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