VISHAL K

esd18i023@iiitdm.ac.in

+91 8667836403

Chennai

EDUCATION

Integrated B.Tech & M.Tech, Electronics and Communication

Indian Institute Of Information Technology Design And Manufacturing, Kancheepuram

2018 - 2023

CGPA: 7.24/10

Senior Secondary (XII), Science

Buvana Krishnan Matriculation Higher Secondary School

(TAMIL NADU BOARD OF SECONDARY EDUCATION board)

Year of completion: 2018

CGPA: 9.20/10

INTERNSHIPS

Research Intern

CSIR-National Environmental Engineering Research Institute (NEERI) And Care Inc., Virtual

Aug 2020 - Present

Working on Change analysis on Industrial sector. This project aims at analyzing the financial, economical sociological changes. Also this project highly involves NLP techniques for data collection and processing.

POSITIONS OF RESPONSIBILITY

CLUB CORE: Tamizh saalaram. This is a linguistic club aimed at the educating the people about dravidian culture and literature.

TRAININGS

Bayesian Methods For Machine Learning

Coursera, Online

Jun 2020 - Present

People apply Bayesian methods in many areas: from game development to drug discovery. They give superpowers to many machine learning algorithms: handling missing data, extracting much more information from small datasets. Bayesian methods also allow us to estimate uncertainty in predictions, which is a desirable feature for fields like medicine.

Introduction To Deep Learning

Coursera, Online

Apr 2020 - May 2020

An advanced course that teaches lot of cutting edge techniques in deep learning offered by National Research University Higher School of Economics, Mocow

Deep Learning From Foundations

FastAI, Online

Feb 2020 - Mar 2020

Another course from fastAI, which enables anyone to do AI research

Deep Learning For Coders

FastAI, Online

Jan 2020 - Feb 2020

Jeremy Howard's ambitious course, which enables us to build almost any state of art deep learning models within few hours

Machine Learning

Stanford University, Coursera, Online

May 2019 - Jun 2019

Renowned machine learning course from Stanford University

PROJECTS

Histopathological cancer detection

May 2020 - Jun 2020

https://github.com/War-Eagl/ds-notebooks/blob/master/histopathalogic-cancer-detection.ipynb

Detection of cancer present in cells with patches of Whole slide images from Pcam dataset.

Face detector

Feb 2020 - Apr 2020

https://face-detector.onrender.com/

A facial detector and recogniser using CNN model, resnet 50.

Emotion Recognition using Deep learning

Sep 2020 - Present

This project aims at detecting the emotion of the user, using the audio visual cues. It has two parallel pipelines: CNN model that reads the face of the user, RNN model that reads the speech

Deep learning library in Julia

Aug 2020 - Present

Though Julia is a very strong contender for the defacto data sciene language, it lacks intuitive machine learning library. We are building a machine learning library which includes all the advanced features including CUDA and OpenCL acceleration

SKILLS

Python
Advanced

Machine Learning
Intermediate

Verilog
Intermediate

Data Analytics
Intermediate

Django
Intermediate

Deep Learning
Advanced

Julia
Intermediate

MATLAB
Advanced

WORK SAMPLES

GitHub profile

http://www.github.com/War-Eagl