

EDUCATION

Bachelor of Technology (B.Tech)

SRM Institute Of Science And Technology, Kattankulathur Main Campus

2019 - 2023

CGPA: 9.60/10

Senior Secondary (XII), Science

DELHI PUBLIC SCHOOL

(CBSE board)

Year of completion: 2019

Percentage: 89.00%

Secondary (X)

DELHI PUBLIC SCHOOL

(CBSE board)

Year of completion: 2017

CGPA: 10.00/10

INTERNSHIPS

Software Engineer

JP Morgan Chase & Co., Virtual

May 2020 - May 2020

Throughout the virtual experience, I got the chance to familiarize myself with JPMorgan Chase frameworks and apply my technical skills to a hypothetical request from the firm's trading floor to analyze and visualize data in a new way.

Tech Consulting Internship (Tech Strategy & Innovation) Internship

Deloitte, Virtual

Apr 2020 - May 2020

A virtual Technology Strategy and Innovation Internship where I accomplished the following task :

1. Client Discovery
2. Design a Business Case
3. Considerations For Mobilisation

POSITIONS OF RESPONSIBILITY

I have been an Electronics Team Member with SRM ASV (Autonomous Surface Vehicles) where I worked with printed circuit board (PCB) designs.

TRAININGS

Algorithmic Toolbox

UC San Diego, Online

May 2020 - Aug 2020

This course was focused on developing the zeal of problem solving and taught a number of algorithms, which are useful in competitive coding challenges.

Deep Learning Specialisation

Deep Learning.ai, Online

Apr 2020 - Jul 2020

Covered up Convolutional Neural Nets, Recurrent Neural Networks and various other optimisation algorithms along with topics like NLP, Neural Style Transfer, Object Detection and classification.

The instructor Dr Andrew Ng spoke about learnings from a huge numerous research papers too.

Obeying his advice I myself read some of the papers of which my favourites would be the Neural Style Transfer paper and The Inception Model paper by the Google Brains Team.

Machine Learning

Stanford University, Online

Jan 2020 - Apr 2020

A Machine Learning Course by Stanford University that covered up huge topics of the Machine Learning Domain varying from Recommender Systems to Support Vector Machines to simpler logistic and linear regression models.

Neural Networks along with its optimisation algorithms were taught in details.

PROJECTS

Super Ramio

Jul 2020 - Aug 2020

<https://github.com/SamarpanDas/Super-Ramio>

Super Ramio is a mobile game that can be played with one hand.

Here the players taps the screen, which makes Ramio jumps. The objective is to collect as many number of coins that are floating around and avoiding a collision with the bombs.

Traffic Sign Alert

Jul 2020 - Jul 2020

<https://github.com/SamarpanDas/Traffic-Sign-Alert>

Traffic Sign Alert is a Deep Learning project where Deep Neural Networks have been used to classify, recognise and label Traffic Signs. The final model has been tested to perform at 96% accuracy for randomly shuffled 12K testing images.

Kaggle Titanic Competition

Jun 2020 - Jun 2020

https://github.com/SamarpanDas/Titanic---Problem_Kaggle

The project was to predict the probability of survival of various passengers of the Titanic Cruise ship given various details of their voyage.

I have used SVMs, Random Forest Classifiers and Neural Nets with various optimisation algorithms.

BRAIN TRAINER

Jun 2020 - Jun 2020

<https://github.com/SamarpanDas/Brain-Trainer>

Brain Trainer promises to enhance your mathematical calculation capabilities making you practice small mathematical calculations against a timer to check your speed.

Note : Brain Trainer is compatible with most Android Devices.

Victogram

Jul 2020 - Present

<https://github.com/SamarpanDas/Victogram>

Victogram is a low level Instagram clone that is supportive on majority of Android Devices and supported by AWS (Parse) for its storage facility. Proper facility for signup/login has been arranged and facility to upload image has been added as well.

SKILLS

Java

Intermediate

Computer Vision

Intermediate

Kotlin

Intermediate

C++ Programming

Intermediate

C Programming

Intermediate

MATLAB

Beginner

Python

Intermediate

Machine Learning

Intermediate

GitHub

Intermediate

Deep Learning

Intermediate

SQL

Intermediate

WORK SAMPLES

GitHub profile

<https://github.com/SamarpanDas>

Other portfolio link

<https://www.linkedin.com/in/samarpan-das>

ADDITIONAL DETAILS

Solved 3 out of 5 questions in the Google Foobar Coding Contest, 2020
Images provided in my LinkedIn profile
www.linkedin.com/in/samarpan-das