

# Samarpan Das

2nd Year Electronics and Communications Engineering

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## EDUCATION

### Undergraduate (Electronics & Communication Engineering)

SRM Institute of Science and Technology

07/2019 - Present

9.3 CGPA

Graduation

- 2023

## WORK EXPERIENCE

### Technical Associate

Microsoft Student Ambassadors, SRMIST

10/2020 - Present

Achievements/Tasks

- Working with cutting edge technologies for solving real-life problems by building in-house products as well as solving problems faced by off shore clients.

### Programmer

SRM Competitive Programming Club

08/2020 - Present

Achievements/Tasks

- Help develop the knack of Competitive Programming, hence Problem Solving among fellow students of SRM irrespective of their department and year of study.

### Analyst

Virtual Internship / Deloitte

05/2020

Achievements/Tasks

- Throughout the internship, I was assigned hypothetical scenarios wherein I was required to analyze and recommend the best solution for the client's problems.
- For each case I had to prepare a presentation of my findings and recommendations based on exhaustive research.

## COURSES

Deep Learning Specialisation (08/2020)

Deep Learning.ai, Coursera

Convolutional Neural Networks in Tensorflow

(07/2020)

Deep Learning.ai, Coursera

The Complete Android Developer Course (09/2020)

Udemy

Machine Learning (04/2020)

Stanford University, Coursera

## SKILLS

Deep Learning

Python

Android Development

Matlab

C++

Java

Kotlin

Version Control

SQL

Tensorflow

C

HTML

JavaScript

Spreadsheets

BigQuery

Teamwork

## PERSONAL PROJECTS

Face Recognition using One Shot Learning (09/2020)

- A Deep Learning System that uses *One Shot Learning* to recognise faces with using only one training image of a face.
- The system uses a *Siamese Neural Network* architecture using *Inception Neural Networks* (Version 2).
- A *Triplet Loss* function has been used to train the network, wherein an anchor images, a positive image and a negative image is used to train the model.
- *Transfer Learning* has been implemented for using pre trained weights in case of scenarios where training the huge neural net is not feasible.

Google Classroom Extension (StudEaz) (02/2021)

- StudEaz is a web extension that allows users to download files from Google Classroom with just a couple of clicks.
- Studeaz eases the lengthy task of downloading each document individually from GCR and bring it down to just 2 clicks for an entire set of documents.

Super Ramio (08/2020)

- Super Ramio is a mobile game that is developed to be played by tap from fingers.
- The *libGDX* game engine has been used to build the framework of this mobile video game.

Traffic Sign Alert (07/2020)

- A project based on Deep Learning 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 a set of 12K testing images.

## ACHIEVEMENTS

Ranked 3 Star Coder @CodeChef (12/2020)

5 Star Problem Solver @Hackerrank (10/2020)

## LANGUAGES

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Bengali

Native or Bilingual Proficiency