# Sagnik Sarkar

AI | Machine Learning | Deep Learning | Computer Vision

Hyderabad, India

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## EDUCATION

### Vellore Institute of Technology, Vellore — *B. Tech.*

JUNE 2018 - PRESENT

CGPA – 9.03

### FIITJEE Junior College, Hyderabad — *Higher Secondary*

JUNE 2016 - APRIL 2018

State Board (MPC) – 96.2%

### St. Joseph's Public School, Hyderabad — *Secondary*

JUNE 2005 - APRIL 2016

ICSE – 96%

## EXPERIENCE

### roboVITics, VIT, Vellore — *Technical Head (CSE)*

DECEMBER 2018 - PRESENT

## PROJECTS

### Face Generation GAN
A Generative Adversarial Network that generates a random face that does not exist.

### AR Sudoku
Put up a sudoku on the newspaper in front of the camera and see the answer pop up in its place.

### Concrete Crack Detection
A project to efficiently detect concrete cracks by using robert's filter to separate necessary features over unwanted ones.

### COVID19 Viz.
Visualization of the trends of the COVID-19 pandemic and prediction of the upcoming trends using LSTMs and GRUs.

### HUNTR
A war robot with a C-wedge design to reduce the opponent robot to scrap metal.

## SKILLS

Machine Learning, Artificial Intelligence, Deep Learning, Computer Vision, Image Processing, Git, Arduino, Full Stack Web Developer, Robotics, Photoshop, Linux Shell Scripting, Google Firebase.

## PROGRAMMING LANGUAGES

Python 3, Java, C, C++, C#, R, GoLang, MATLAB, SQL, CSS, JS, Intel 8086 Assembly.

## FRAMEWORKS

Tensorflow 2.0, Keras, PyTorch, Numpy, Pandas, Matplotlib, Plotly, OpenCV, Nvidia CUDA, SQL, Flask, HTML5, JQuery, PHP, Docker, Selenium, Fusion 360, Blender, OpenMP, MPI.

## GITHUB

https://github.com/sagnik106/

## LINKEDIN

https://linkedin.com/in/lesagniksarkar/

## LANGUAGES

English, Bengali (Mother Tongue), Hindi