

+91 95600 83791



19 January, 2000

DOB

sinhadivvyam19@gmail.com



github.com/divyamsinha



leetcode.com/Divvyam_Sinha



linkedin.com/in/divyamsinha19/



EDUCATION

B.Tech Computer Science and Engg.

2018 - Current

Maharaja Agrasen Institute of
Technology, New Delhi
GPA: 8.49

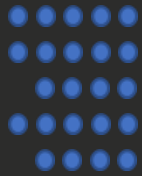
Secondary & Sr. Secondary Education

2014 – 2017

Amity International School
Pushp Vihar, New Delhi
Score: 91.4 % (Class 12)
CGPA 9.4 (Class 10)

SKILLS

Data Structures
Machine Learning
Software Development
Deep Learning
Image Processing



TOOLS & FRAMEWORKS

C++, Python, MySQL
Tensorflow, Keras, Pandas
Librosa, OpenCV, Sklearn,
NumPy, Matplotlib, GTTS
MediaPipe, Face_Recognition,
Golang, PHP, PostgreSQL, Kibana

REWARDS & RECOGNITION

IGDTU - Defender of the Space

Secured 3rd Position for solving
programming problems and puzzle.

MAIT - Days of hack Hackathon

Special Mention for idea about predicting
disaster in Glacier areas using ML

DIVYAM SINHA

Pursuing Computer Science and Engineering Graduation
Maharaja Agrasen Institute of Technology, New Delhi

ABOUT ME

Hard Working individual with a strong focus on learning principles of real-world software development with machine learning and using these to deliver results. A team player, self-starter with a collaborative approach to problem solving. Seeking fulltime opportunity to contribute in the organization and grow as a Software Development Engineer.

INTERNSHIP

Associate Software Engineer Intern at IndiaMart

March 2022 – May 2022

- Hands on Experience on Oracle, Linux, SEO, Google Analytics, Github, Kibana
- Integrated DBMS (oracle + postgresql) with Golang and PHP
- Trained on Development best practices

Tech Stack: **Golang, PHP, DBMS, GitHub**

Certificate: <https://bit.ly/IM-Intern>

ML Intern at Vamcom Digital

February 2022 – March 2022

- Working on Posture based Authentication Mechanism
- Derived Face, palm position and posture from image using Image Processing
- Performed similarity estimate using Pythagorean Distance Algorithm for authentication

Tech Stack: **MediaPipe, OpenCV, Numpy, Face_Recognition, Matplotlib**

Certificate: https://bit.ly/VamCom_internship

AI Intern at B-Aegis Life Sciences

May 2020 - June 2020

- Created Coughing Sound Detection Model to detect coughing sound even in noises.
- Extracted mfccs feature from dataset and trained binary classifier with **CNN & LSTM**
- Increased accuracy by removing silence to **97.8 %** with a baseline accuracy of **99%**.

Tech stack: **Python, Pandas , Librosa , Numpy , Keras , python_speech_features**

Certificate: <https://www.b-aegis.com/verify-ic04dsnmtje>

PROJECTS

Mood Based MP3 player

Project to play songs based on mood.

- Model made using **CNN+MLP** layers detects face expression; MP3 player using **Tkinter**.
- The expression obtained is fed to an MP3 player, a list of songs is displayed and played

Tech Stack: **Colab, Numpy, Matplotlib, OpenCV, Pandas, Sklearn, tkinter, pygame**

Github: <https://github.com/divyamsinha/Mood-based-MP3-Player>

Fake Cartoon Face Generation

Learning the faces of cartoons and generating similar images from them.

- Made use of **DCGAN** technique to create and train generator and discriminator pair.
- A generator create fake images and discriminator classifies between real fake images.
- With multiple iterations, generated fake image and real image are indistinguishable.

Tech Stack : **Colab , Numpy , Matplotlib , OpenCV , Keras , Pandas**

Github: <https://github.com/divyamsinha/FakecartoonfaceGeneration>

PUBLICATION

Blockchain based Online Voting System

Demonstrated how blockchain can add immutability and security in online voting system

Reference: <https://bit.ly/research-paper-blockchain>