

# Mayank Deshpande

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Curriculum Vitae

## Education

- 2018–2022 **B-Tech**, *Mahindra Ecole Centrale*, Hyderabad, *GPA – 9.1.*  
Computer Science Engineering
- 2016–2018 **Intermediate - Chaitanya Jr College**, *Grade(%) – 95%.*  
MPC
- 2004–2016 **Jubilee Hills Public School**, *CGPA – 9.8.*

## Experience

- 2021 – Aug - **DL research Intern**, NVIDIA CORPORATION, MINISTRY OF DEFENCE, MAHINDRA PRESENT UNIVERSITY.  
Working with Nvidia India-Singapore on a project funded by Ministry of Defence, India, to assist in airfoil design optimization using PINNs (Physics-Informed Neural Networks) with the help of Nvidia MODULUS (Previously known as NVIDIA simnet) deep learning framework. Project hosted here
- 2022 – Mar - **Developer Intern**, TELSTRA INTERNATIONAL.  
PRESENT Developing features for billing systems in node.js 14 LTS and JDK 8.xx. Learning how software architectures and philosophies are executed practically.
- 2019 – Dec - **Lead Project Developer**, *Progressive web-app that detects potholes on roads.*
- 2020 - Feb Made a YOLO v3 tiny weight model that was trained on 1200 road images, made to detect potholes, speed-bumps, footpaths, and deployed it using flask and on arm-based devices. **Watch it at work!**  
Detailed achievements:
  - Successfully deployed the on a raspberry pi 3B
- 2020 – Mar - **Data Science Intern**, COVINDIA.  
Jun Investigated patterns of COVID-19 infection rates from various sources of data such as weather, lockdowns, Literacy and employment rates using python libraries, google data studio, Dataiku and Cart. Analyzed and published the **trends** on the website.
- 2020-Jul-Jul **Teaching Assistant**, DATAWHIZ.  
Teaching assistant of Dr. Achal Agarwal for the Data Science Bootcamp provided by DataWhiz.org. Taught few really nice tools like Google data studio, Microsoft Power BI, and Dataiku. Ran Baseline models to show the differences in effective data filtering and how to pre-process data to get the most out of it

## Awards:

- 2020 **Top 10 in Garage48 Hackathon**

## Languages, libraries and frameworks:

- Basic TensorRT, Apache Spark, Hadoop, NASM, MASM, shell scripting(bash/zsh and Powershell))
- Intermediate Nvidia Modulus, Rapids(libraries: cuDF, cuPY, cuML, Dask), Deepstream 5.0, Nvidia DGX, linux shell, AWS Basics, Python libraries: pandas, numpy, OpenCV, nltk, OpenAIGym, Pytorch, Darknet: yolov3-5, Tensorflow with keras, sklearn, C, C++, R, GO, Java
- Advanced Python

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↗ [github.com/neo-fetch](https://github.com/neo-fetch)