

# ABHISHEK

## ML AND DL ENTHUSIAST

### PERSONAL SKILLS

- Fast learner
- Creative spirit
- logical and out of box thinking
- Time management
- Good listener

### CONTACT

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### ABOUT

Ambitious engineering student pursuing bachelor of technology in mechanical engineering degree and eager to contribute developed knowledge in the field of Robotics and AI. Currently I am actively participating in competitions related to machine learning and data science.

### PROFESSIONAL SKILLS

- In-depth knowledge of most of the famous algorithms of machine learning and able to develop from scratch.
- knowledge of deep learning concepts.
- Data visualizations and Feature Engineering.
- Working knowledge of libraries - pandas, Scikit-learn, Tensor flow, Matplotlib, NumPy, PyTorch, and seaborn.
- A programmer with continuous practice of more than 1.5 years in java, python, C, PHP and JavaScript.
- Git and NPM.
- working knowledge of C++, C.
- Web development Skills: HTML, CSS, React, Node, REST APIs, SQL, bootstrap

### WORK EXPERIENCE

#### FULL STACK WEB-DEV INTERN, CHILLITRAY

FEB 2021- MAY 2021

- Developed Rest APIs for the projects
- Learned about the community standards of programming
- Learned about the Git
- Learned about the way of working in real-world projects, for example, timelines and collaborations with other projects.

## HACKTHONS

#### SHAstra, HACKTHON IIT MADRAS

FEB-2021

- object detection, character recognition .
- completed the solution.

#### DL, HACKTHON IIT MADRAS

April-2021

- 2nd Rank
- Developed a convolution architecture with skip connections, interconnection, DepthwiseSeperable convolutions, and Densblocks.
- Classification of Images generated by GANs and real images

#### UNIV-AI, HACKTHON

MARCH-2021

- Got a roc-AUC score of 0.869 (best was 0.892)(under top 20%)
- Data Augmentations, Feature engineering, classification.
- Used Stacking of 6 algorithms on top of a neural network.

# PROJECTS

## SBOARD

ELECTRICAL CLUB, CENTER FOR INNOVATION IIT  
MADRAS

FEB 2021- present

- Learned about R-pi and Embedded Systems.
- Did research for haptic touch and Ultrasonic feedback.
- Now building software for the user interface and functionality.

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## EXTRACIRRICULAR

march 2021-present  
(Full time)

**NSS IIT MADRAS**

PR- Manager

- Learned about public speaking
- Having conversations with speakers

august 2019-may-2020  
(Full time)

**Mechanical Engineering Association ,IIT madras**

Coordinator in team

- First I learned about html ,CSS and JavaScript and then created templates for websites with a team.
- Improved user interface to give a better user experience

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## EDUCATION

**Bechlor of technology , IIT MADras**

Mechanical engineering| 2019 - 2023

**Machine Learning Specialization , Washington University  
(Coursera)**

march 2020 - may 2021

**MAA SARASWATI SCHOOL , Kaithal**

march 2017 - march 2018

Got passed with the first rank in school with core subjects  
Math's, physics and chemistry.

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## RELEVANT COURSES

**From College**

ma1100 (multivariable calculus).

ma1020 (series and matrices)

ma2020 (differential equations)

cs1100 (c programming)

m2040 (probability and statistics) (attended this course without  
official registration in college)