

# Charitarth Chugh

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## EDUCATION

### TRUMBULL HIGH

GPA (WEIGHTED): 3.73  
June 2021 | Trumbull, CT

## ACTIVITIES

### HACK CLUB

PRESIDENT: 2020 - 2021

VICE PRESIDENT: 2019 - 2020

BOARD: 2018 - 2019

Explore, share, and learn about new technologies, with an emphasis on programming and computer hardware. Led and organized weekly meetings.

### COLT

SECRETARY: 2019 - 2021

COLT is a foreign language poetry competition in CT. Helped in Hindi poetry and organizing meetings.

### VOLUNTEERING

TIME: 220+ HOURS

Volunteered at Trumbull Public Library for their Summer Reading Program

### TENNIS

JUNIOR VARSITY: 2019 - 2020

## SKILLS

### PROGRAMMING

Comfortable:

Java • Flutter • Git • GitHub  
NumPy • Pandas • Plotly  
Matplotlib • PyTorch

Familiar:

Linux • Shell •  $\LaTeX$  • Kotlin  
Docker • HTML • CSS

### LANGUAGES

English • Hindi (Speaker)  
'Spanish (Basic)

## LINKS

GitHub:// charitarthchugh  
Linkedin:// charitrth  
JovianAI:// charitarthchugh  
Kaggle:// charitarth  
Medium:// @charitarth.chugh

## PROJECTS

### SOLAR INDIA | DATA ANALYSIS

December 2020

- In-depth analysis of solar energy generation and sensor data from a solar plant in India, using Pandas, Numpy, Seaborn, and Matplotlib.
- Identified inefficiencies at the plant, such as poorly functioning hardware.

### PULSAR IDENTIFICATION | MACHINE LEARNING

June 2020

- Created a 97% accurate classifier using a custom Logistic Regression model made with Numpy, Pandas, and PyTorch for the classification of pulsars in the HTRU1 dataset

### PORTFOLIO SHOWCASE | FRONTEND

2020

- Designed and developed a responsive website using Flutter SDK
- Implemented Firebase Flutter integration and used the VelocityX framework for Flutter

## CERTIFICATIONS AND AWARDS

### ZERO TO GANS | CERTIFICATION

July 2020

- Given for successful completion of "Deep Learning with Pytorch: Zero to GANs", a six-week online course offered in collaboration by FreeCodeCamp and JovianAI.
- Represents about 60 hours of coursework, which required doing weekly assignments, watching lectures, and a course project
- Gained fundamental math skills that are utilized in machine learning.

### ZERO TO PANDAS | CERTIFICATION

October 2020

- Given for successful completion of "Data Analysis with Python: Zero to Pandas", a six-week online course offered in collaboration by FreeCodeCamp and JovianAI.
- Represents about 60 hours of coursework, which required doing weekly assignments, watching lectures, and a course project.

### THS GOLDEN EAGLE | AWARD

June 2019 & June 2020

- Given to Trumbull High students who have volunteered more than 100 hours in a year.
- Awarded 2 times.

### GOOGLE CODE IN | PARTICIPATION

December 2019 - January 2020

- This was a coding competition hosted by Google that introduced pre-university students to open source software development