

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