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

PULSAR IDENFICATION | 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
April & October 2020
- Designed and developed a responsive website using Flutter SDK
- Implemented Firebase Flutter integration and used the VelocityX framework for Flutter

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 inefficeincies at the plant, such as poorly functioning hardware.
- Identified trends at the plant

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