

# Charitarth Chugh

charitarth.dev | charitarth.chugh@gmail.com | 475.434.6427

## EDUCATION

### UCONN

### SCHOOL OF ENGINEERING

### GPA NA

Expected Spring 2025 | Storrs, 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

Python • Pandas • Plotly

Matplotlib • PyTorch • Numpy

Familiar:

Linux • Shell •  $\LaTeX$  • Kotlin

Docker • HTML • CSS

### LANGUAGES

English • Hindi (Speaker)

Spanish (Basic)

## LINKS

GitHub:// [charitarthchugh](#)

LinkedIn:// [charitrth](#)

Twitter:// [@charitarthchugh](#)

Kaggle:// [charitarth](#)

Medium:// [@charitarth.chugh](#)

## PROJECTS

### EXO-EDA | DATA ANALYSIS

July-August 2021

- In-depth analysis of exoplanet data from the NASA Exoplanet Archive, using Pandas, NumPy, Seaborn, and Matplotlib.
- Retrieved data using the TAP API to allow users to always have the latest data when running the Jupyter Notebook
- Cleaned large amounts of data for a 36% reduction in memory usage
- Identified planets that reside in the habitable zone of their host star and found that our solar system is a relative anomaly, as the majority of solar systems only host one or two planets

### 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 microframework 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

August 2021

- 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