**ANIRUDDH MUTNURU**

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**EDUCATION**

**University of Maryland, College Park, MD** *Expected Graduation: May 2025*

*GPA: 3.823/4.0*

* Intended Degree: Computer Science (Machine Learning Track)
* *University Honors* Honors-College student
* Received “A” in Java Data Structures and Algorithms (Object Oriented Programming II)

**Unionville High School, Kennett Square, PA** *June 2022*

*GPA: 4.64/4.0*

* Completed *AP Computer Science A* and *Essential Computer Applications* (Office Suite course)

**SKILLS**

* **Java** *(intermediate)*, **HTML** *(basic),* **CSS** *(basic*), **Python** *(basic)*, **Linux** *(basic)*, **MATLAB** *(basic)*, **Github**, **Raspberry Pi**, **Arduino, Pandas, Numpy**

**AWARDS**

**Chester County Intermediate Unit Hackathons, Downingtown, PA** *February 2021, 2022*

* Won 1st place consecutively for two years out of 8-12 teams by designing app UX and UI outlines to help alleviate food insecurity and supply chain issues
* Invited to present wireframes at the Pennsylvania Dept. of Education’s “Data Summit” with over 1,000 attendees

**RELEVANT EXPERIENCE**

**Northrop Grumman Innovation Labs, College Park, MD** *December 2022 - Present*

*Integration Team*

* Creating a boat to determine the health and eutrophication levels of the Chesapeake Bay
* Communicating with various small teams to integrate uRAD velocity, distance, pH, and camera sensors on mini boat and barge
* Researching and developing scripts in Python and Arduino IDE to allow Jetson Nano motherboard and external attachments to communicate with each other via I2C
* Created Python script to directly output radar sensor data into text file so other teams can use data in their programming

**Photography Portfolio Website, Online** *December 2022 - Present*

*Personal Project (WIP)*

* Developing website using HTML and CSS to showcase both DSLR and Video Game photography
* Hosting website on GitHub’s servers
* Uploaded files to “personal project repository”

**Online Test Project, College Park, MD** *April 2023*

*CMSC 132 Class Project*

* Created program from scratch with ArrayLists as databases to store school exam data like students and their corresponding grades
* Improving efficiency by implementing different data structures (HashMaps, TreeMaps, etc.) in order to decrease complexity from overreliance on ArrayLists

**ACTIVITIES**

**Big Think AI Club, College Park, MD** *January 2023 - Present*

*Member*

* Completed 4 small assignments in Google Collab to gain exposure to Machine Learning and Data Science
* Implemented Python code with Pandas and NumPy functions to clean up data tables of over 200 users’ bank and financial information in order to determine attrition rate
* Employed data collection through excel spreadsheet which then became converted into .csv file
* Manipulated tens of images to only present grayscale to train a machine learning model with TensorFlow to recognize digits 0-9 given a lower quality image

**Google Developer Student Club, College Park, MD** *September 2022 – Present*

*Member*

* Programmed small website backend functionality after learning the basics from each of the following workshops: GitHub, Firebase, TensorFlow, Google Cloud
* Learned terminal commands to navigate a Linux virtual machine and collaborate with multiple users simultaneously

**Kathakar Podcast, Online** *November 2020 – August 2022*

*Co-Founder and Co-Host*

* Founded international historical podcast that features professors from international prestigious universities as guest speakers to discuss their quantitative analysis of history
* Contacted professors to join episodes, producing 18+ hours of content across 16 episodes
* Interviewed by the “Daily Local” newspaper for utilizing a creative method to research history