Ananya Chaudhary

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Education

Carnegie Mellon University
Bachelor of Science
Computer Science, May 2024

Relevant Coursework:

- 15-112: Fundamentals of Programming and Computer Science
- 15-122: Principles of Imperative Programming
- 15-150: Principles of Functional Programming
- 21-325: Probability
- 15-251: Great Theoretical Ideas in Computer Science
- For more information on these courses, click here.

Skills

Languages:
English · French · Hindi

Programming Languages:
Python · Java · C · JS · SQL · CSS · HTML5

Frameworks:
Flask · Keras · Tensorflow · Sci-kit ·

Technologies:
Git · MongoDB

Activities

SPIRIT Fashion Show 34
Treasurer and Fundraising Coordinator

CMU Athletics
Cheerleading Team

Part-time job
FOH at eatUnique

CMU Abhinaya
Manager of Classical dance team

Lunar Gala
Assistant Office and Logistics Manager

Industry Experience

Amazon · Incoming SDE Intern — Summer 2022
- Will be interning at AWS in summer of 2022

Inspirit AI · AI/ML Teaching Assistant — June 2021 to August 2021
- Working with a team of Stanford Masters and PhD students.
- Taught basic Machine Learning models as well as introducing Deep Learning such as Linear and Logistic Regression, K Nearest Neighbors, Neural Networks, and Convolutional Neural Networks to guide them to create social impact using AI as a part of the AI Scholars program.

InfinX · Product Management Intern — July 2021 to September 2021
- Created a prototype of Referral Management Software.
- Performed SWOT analysis, understood the space, wrote out user stories, mapped out user journey.
- Designed mockups and then used Adobe XD to create final prototype.

Carnegie Mellon University · Research Assistant — April 2021 to August 2021
- Working with Team Explorer for the DARPA Subterranean Challenge.
- Built training data set to help them recognize objects in a video.

Selected Projects

College Student Meal Scraper · 2020
- Created a search engine that used web scraping to help college students plan meals based on the ingredients in their refrigerator and their past choices.
- Also had a general recommendation mode that collated all previous searches as well as liked recipes and then identifies cuisine and taste preferences and produces a list of recipes to try out.

Personal Portfolio Website · 2021
- Currently in the process of creating a website to showcase my projects and blog about my experiences. Link here

Multimodal Textbook Generator · 2019
- Built an ML Model to embed contextually relevant videos to a traditional textbook and create an interactive multimodal digital textbook.
- Extracted features from Youtube videos, experimented with various ML models, created dataset and used Python to create epubs.
- This work was endorsed by Dr. Mahesh Mohan (a PhD Googler).

Emotion Detection and Twitter Movie Review Sentiment Analysis · 2018
- Created a python program to do sentiment analysis and rate movies based on sentiments expressed in recent tweets.
- Developed a rule engine to compute an overall score for the movie based on the count of positive and negative tweets.

Research and Publications

Effects of Multimodal Textbooks on Learning
Author, International Journal of New Technology and Research