

Aditya Pethe

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EDUCATION

Texas A&M University	Bachelor of Science in Computer Science	GPA: 3.9
	Bachelor of Science in Applied Mathematics	May 2022
Westside High School	SAT: 1600/1600 SAT MATH II: 800/800	May 2018

SKILLS

Languages: Python, C++, HTML, CSS, JavaScript, Java, R, SQL

Frameworks: Numpy, Pandas, Matplotlib, Selenium, BeautifulSoup, Git, Node.js

COURSEWORK

- Numeric Methods
- Data Structures and Algorithms
- Machine Learning
- Advanced Calculus/Real Analysis I
- Recommender Systems
- Statistics I & II

EXPERIENCE

Data Science Intern at Deephaven Data Labs	May 2020 – Aug 2020
<ul style="list-style-type: none">Built quantitative financial models using Deephaven, a data ingestion platform that handles petabytes of real time dataPublished 3 white papers with Deephaven that helped increase user engagement over 35%Used Pandas, Numpy, Sklearn, and Fbprophet to build seasonality, momentum trading, and adverse selection models.	
President at TAMU Datathon	November 2019 – Present
<ul style="list-style-type: none">Plan and organize the largest MLH data science hackathon in the worldNegotiate sponsorships and coordinate events for hackathon with 2000+ applicants and 600+ participants	
Operations Intern at AmeriPower Inc	May 2019 – Aug 2019
<ul style="list-style-type: none">Designed, implemented, and validated a comprehensive price-variance tool in Python (Pandas) and VBA with a User-Centered-Design engineering approach to increase throughputStreamlined price threshold lookup time in by a factor of 20 for trading price projections	

PROJECTS

Helping Eye at TAMUhack	
<ul style="list-style-type: none">Won 1st Place for best use of Azure from Microsoft, & best interactive chatbot from GartnerSelected as a finalist overall for creating a chrome extension chatbot to assist the visually impaired navigate the webDeveloped in team using React.js in chrome extension, NLP and ML with Azure's LUIS API, Node.js for bot executionMade extension programmable for developers using LUIS Programmatic API, Node.JS and YAML schema files	
Auto Flow at HackPrinceton	Nov 2019
<ul style="list-style-type: none">Won 1st Place for best use of API's from StdlibSelected as a finalist overall for creating service that uses various API's to automate tasks given a set of instructionsUsed natural language processing in NLTK and python to create unique JSON query language to process strings into treesIntegrated Slack, Twilio, Google Sheets and Google Speech to text APIs in Stdlib to automate workflows	
Full House at HackTX	Nov 2019
<ul style="list-style-type: none">Won 1st Place for PwC hack for social good challenge, created a web app to assist homeless with inventory managementDeveloped in team using React.JS, Express.JS, and MongoDB and hosted on Azure to create a responsive, full stack appBuilt backend data base by scraping thousands of Goodwill items in python and managing database in MongoDB	

ACHIEVEMENTS

Brockman Scholar	May 2018 – Present
<ul style="list-style-type: none">Full ride, merit-based scholarship for STEM degree and M.S in businessOne of 50 students out of 3000+ applicants selected for program	
Grace Hopper Celebration Scholarship	Aug 2020
U.S Presidential Scholars Candidate	May 2018