Aditya Pethe

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EDUCATION

Texas A&M University	Bachelor of Science in Computer Science	GPA: 3.93
	Bachelor of Science in Applied Mathematics	May 2022
Hong Kong University of Science and Technology		Jun 2019 – Aug 2019
Westside High School	SAT: 1600/1600 SAT MATH II: 800/800	May 2018

SKILLS

Python, C++, R, HTML, CSS, JavaScript, Java

COURSEWORK

- Intro to Program Design and Concepts
- Data Structures and Algorithms
- Discrete Structures
- Advanced Calculus/Real Analysis I
- Putnam Challenge Class
- Statistics I & II

EXPERIENCE

Logistics Director at TAMU Datathon   November 2019 – Present
- Organizing the **first and only** MLH data science hackathon in the world
- Negotiate sponsorships and coordinate event with 2000+ applicants and 600+ participants
- One of the largest and most diverse hackathons in the world with over 130+ schools and 120+ different majors

Operations Intern at AmeriPower Inc   May 2019 – Aug 2019
- Designed, implemented, and validated a comprehensive price-variance tool in **Python (Pandas)** and VBA with a User-Centered-Design engineering approach to increase throughput
- Streamlined price threshold lookup time in by a factor of 20 for trading price projections
- Fostered productive collaboration with upper management, engineers, and the CEO to deliver a compelling feature

Team Leader at 3 Day Startup   Oct 2018
- Organized and led 3 Day Startup team to implement a workable startup business model using lean launch methodology
- Oversaw over 7 team members; mediated disputes while balancing individual needs with team success
- Received **Startup Adaptability Award** out of all competing 3 Day Startup teams

PROJECTS

Helping Eye at TAMUhack
- **Won 1st Place** for best use of Azure's cognitive services from Microsoft   Jan 2020
- **Won 1st Place** for best use of an interactive chatbot from Gartner
- Selected as a **finalist** overall for creating a chrome extension chatbot to assist the visually impaired navigate the web
- Developed in team using **React.JS** in chrome extension, NLP and ML with Azure's LUIS API, **Node.js** for bot execution
- Made extension **programmable** for developers using LUIS Programmatic API, Node.JS and YAML schema files

Auto Flow at HackPrinceton   Nov 2019
- **Won 1st Place for best use of API's** from HackPrinceton
- Selected as a **finalist** overall for creating service that uses various API's to automate tasks given a set of instructions
- Used natural language processing in **NLTK** and python to create unique **JSON** query language to process strings into trees
- Integrated Slack, Twilio, Google Sheets and Google Speech to text APIs in Stdlib to automate workflows

Full House at HackTX   Nov 2019
- **Won 1st Place** for PwC hack for social good challenge, created a web app to assist homeless with inventory management
- Developed in team using React.JS, Express.JS, and MongoDB and hosted on Azure to create a responsive, full stack app
- Built backend data base by scraping thousands of Goodwill items in python and managing database in **MongoDB**

ACHIEVEMENTS

Brockman Scholar   May 2018-Present
- Full ride, merit-based scholarship for STEM degree and M.S in business
- One of 50 students out of 3000+ applicants selected for program

U.S Presidential Scholars Candidate   May 2018
- Recognized by the White House for academic excellence as one of 3000 students from all students nationwide
- First presidential scholar's candidate nominee from Westside High School