

Adarsh Medikonda

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Education

Klein Oak High School

2015 – 2019

International Baccalaureate Diploma

Klein, TX

- 4-year specialization in Computer Science

Texas A&M University

2019 – ONGOING

Bachelor's Degree in Electronic Systems Engineering Technology

College Station, TX

- Related Coursework: ESET 210, ESET 219, ESET 269, CSCE 222, MATH 152, MATH 251.

Experience

Community, Activity, and Service Volunteering

2017 – 2019

- Over 150 hours volunteering in my community, ranging from assisting during Walk MS: Houston to introducing elementary aged children to coding through curated activities

Python Tutoring

2019 – 2020

- Taught Python to a student attending University of Massachusetts Amherst, focusing on problem-solving logic and algorithms.

Skills

Languages: Python, C, C++, Java, HTML, CSS, JavaScript.

Operating Systems: Windows, Linux (Debian, Manjaro, Arch).

Frontend Development: ReactJS, ElectronJS.

Machine Learning: TensorFlow 2.

Cloud: Heroku.

Word Processors: \LaTeX , Microsoft Office

Embedded Engineering: Arduino, Raspberry Pi, Texas Instruments MSP432.

Programming Experience

- 4 years of experience writing Java programs.
- 2 years of experience with Python.
- 1 year of experience with C/C++.
- Extensive practice with OOP Design using both Java and C++.
- Competed in multiple team-based coding competitions.
- Heavy interest in algorithmic design and combinatorics.
- Implemented functions using Python to efficiently scrape and analyze large scale data from the web.

Certifications

Certificate in Cyber Security – Universidad Carlos III de Madrid

2018 – 2018

Specialization in Network Analysis and Computer Forensics

Madrid, Spain

- Real-world application of reverse engineering, vulnerability management, and pentesting
- Experience with Metasploit

Fundamentals of Deep Learning for Computer Vision Certification – NVIDIA

2019 – 2019

Neural Network Imaging and Deployment

College Station, TX

- Trained and deployed deep learning models
- Practiced data augmentation to more accurately create models
- Experience with Python3, TensorFlow 2 with Keras, and Pandas