

Adidev Mohapatra

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EDUCATION

Texas A&M University, College of Engineering, College Station, Texas **May 2024**
Bachelor of Science in Computer Science; Minor in Statistics & Geography **Cumulative GPA: 3.72**
Relevant Coursework: Data Structures and Algorithms, Discrete Structure Computing, Computer Organization, Introduction to Computer Systems (IP), Foundations of Software Engineering (IP)

PROFESSIONAL EXPERIENCE

Verizon Communications-Southlake, TX **Jun. 2022-Aug. 2022**
Software Engineer Intern

- Created a MySQL Database for the Core Network Management Center (NMC) to store network cell site information and status
- Implemented a Tableau Dashboard into Verizon Data Insights (DI) that allowed network engineers in the Core NMC, access to network speed, reliability, and coverage about the network cell sites
- Designed and organized the Verizon DI website using HTML, CSS, and Widgets to help the network engineers access network data smoothly

Texas A&M Machine Learning Research-College Station, TX **Aug. 2021-Jun. 2022**
Undergraduate Researcher, Dr. Hong Liang

- Used Python libraries like Pandas, Keras, and Numpy to create a dataset for the cooling time period using quantum machine learning (QML)
- Worked on a review paper that looked at how using of quantum machine learning can help with cooling methods due to efficient heat transfer methods

SOFTWARE PROJECTS

Personal Website **2022**

- Developing a webapp to showcase personal projects, achievements, and information
- Currently using HTML, CSS, and JavaScript using frameworks like ReactJS to complete the website

Hack Assembler & Disassembler **2022**

- Created an Assembler and Disassembler that converts between 16-bit HACK Assembly Language and Machine Language
- Used Python File I/O to read from assembly script and write equivalent binary code into text file
- Used dictionaries to hold key-value pairs of parsed text from assembly script and extract analogous binary

Seam Carving **2022**

- A program that allowed an image to be resized by one pixel of height or width at a time
- Used C++ to write the functions to traverse through the pixel energy of the photo to take out the appropriate pixels when cutting the picture

LEADERSHIP

Texas A&M Computer Science TA, ENGR 102 **Aug. 2022-Present**
Teaching Assistant for Engineering Lab I-Computation

- Creating additional learning material for engineering students to help further their understanding of programming design
- Assisting engineering students on how to use common Python tools such as Jupyter Notebook and PyCharm IDE

Boy Scouts of America Troop 840-Coppell, TX **Mar. 2013-Feb. 2020**
Eagle Scout

- Served in leadership roles (Patrol Leader, Troop Guide) to lead scouts in a range of activities (Camping, Service Events)

ADDITIONAL INFORMATION

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

Tools: MySQL, Git, Visual Studio Code, Bootstrap, Microsoft Suite, ReactJS

Work Eligibility: Eligible to work in the United States without restriction