Aditya Vasisht

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# EDUCATION

**University of Massachusetts Amherst, MA** Exp. Graduation May 2024

BS in Computer Science.

Relevant Coursework: Data Structures, Programming Methodologies, Computer Systems Principles, Reasoning Under Uncertainty, C Programming Language, Problem Solving with Computers, Discrete Mathematics, Calculus 1 - 3, Linear Algebra, Leadership Practicum.

3.818 GPA, Dean’s List Honours (*All semesters*)

Chancellor’s Award Scholarship Recipient (*Highest Merit Based Scholarship Amount Awarded*)

**EXPERIENCE**

**Ushur** *-* Data Science Intern April - May 2020

* Built and trained machine learning models to perform sentiment analysis of given text using Python libraries such as spaCy, NLTK, flair.
* Utilized pandas dataframes and regex expressions to manipulate and format data used to train ML models to increase efficiency of training.
* Designed a number of tests for pre-existing frameworks and pipelines.

**Isenberg Technology Support & Services** *-* Student Technician October 2021 - Present

* Provide technical support for Staff and Faculty at Isenberg School of Management for Computers, Teaching Equipment/Environment, Software etc. and manage incoming client tickets via email and phone on ServiceNow.

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**SKILLS**

Java, Javascript, Python, C, Git, Arduino, JUnit Testing, Unix Command Line, HTML, CSS.

**PROJECTS**

* Hey That’s My Fish - Built a digital version of board game “Hey That’s My Fish” in C. Implemented a computer “AI” to play against a user.
* Hospital Triage System - Built a model of a hospital triage system to prioritize incoming patients using Priority Queues to mimic the flow of patients in an emergency room.
* Cache Simulator - Built a program in C to simulate the functioning of a working Cache including the implementation of the Least Recently Used (LRU) cache eviction algorithm.
* Built an autonomous line following robot from scratch using Arduino that was capable of following lines and detecting obstacles in its path.

# AWARDS

* FLL Robotics Competition - Won two 2nd place awards for Robot Game and Project at the International level in Bath, UK. Competed at the national level for 3 years and were 2 time regional champions.
* World Robotics Olympiad - Won regional championship and participated at the national level.