

ANURAG GUMIDELLI

www.linkedin.com/in/anurag-gumidelli/

agumidelli@umass.edu

(413) 409-0631

EDUCATION

University of Massachusetts Amherst

Amherst, MA

Aug 2019 - May 2023

- B.Sc in *Computer Science and Mathematics - Statistics*
- Overall GPA: **4.0**
- **Awards:** *Deans List (all semesters), Chancellors Award for Merit*
- **Coursework:** *Information Retrieval, AI (Artificial Intelligence), Computer Systems Principles, Computation and Algorithms, Advanced Statistics, Data Structures, Web Programming, Computer Networks*

WORK EXPERIENCE

Undergraduate Course Assistant

UMass Amherst

August 2020 – Current

- Supported the following classes CS121, CS 187 and CS 190F in the UMass CICS Department
- Led Lab assignments and group discussions, learning strategies and proctored exams
- Awarded the outstanding UCA for exemplary performance

Research Assistant

HCI-VIS Lab

July 2021 – Current

- Conducted UX research and surveys to arrive at the most optimal chatbot experience for the users
- Utilised *ReactJS* to improve responsiveness and speed by utilising virtual DOM to partially render components
- Reviewed research journals to enhance UI/UX of chatbot to garner better engagement
- Worked on the chat flow and design of Web UI of the chatbot
- Developed the analytics tools to analyse data obtained in the study
- [Link to tool](#)

PROJECTS

- **PageRanker** - JAVA
 - Implemented PageRanker to analyse link structure
 - Ranks Pages based on relative popularity
 - Generated top [k] ranked pages and in-link counts for the k-pages
- **Connect383** - Python
 - Command line 2-player Game
 - Developed interface and customisable game board
 - Developed AI bots:
 - Minimax agent - uses minimax algorithm
 - Minimax Prune agent - α - β pruning to improve execution speed
 - Heuristic agent - heuristically evaluates state of the game to determine move
- **SeamCarver** - Python
 - Implemented the Seam Carver algorithm
 - Developed a content-aware resizing tool to generate smaller images without compromising on information
 - [Link to tool](#)

TECHNICAL SKILLS

- **Programming Languages** - Python, Java, JavaScript, SQL, HTML, CSS, C, R.
- **Development tools** - Git, GitHub, VisualStudio Code, PyCharm, Google FireBase
- **Frameworks** - React, NumPy, Matplotlib, SciPy