MAHENDRA SAPKOTA

github.com/Sapkotam ⋄ linkedin.com/in/msapkota

(312) 714-5210 ⋄ mks.skt@gmail.com ⋄ mahendrasapkota.netlify.com

EDUCATION

University of Massachusetts Amherst   *Fall 2018 - Present*
Majoring in Computer Science, member of Commonwealth Honors College
Courses: Software engineering, Digital Forensic, Operating System, Algorithms,
                Computer Networking, Applied Cryptography, Data Structures

Greenfield Community College   *Spring 2016 - Spring 2018*
Completed Associated degree in computer science

TECHNICAL SKILLS

Programming:	C, C++, Python, Java, JavaScript, HTML, CSS
Tools/frameworks:	Git, MongoDB, Agile, Scrum, Heroku, docker, React.js, Material UI

PROJECTS

Survey Master
Worked in a scrum team of 8 to build end-to-end survey platform for our customer *Ultimate Software Group, Inc.* Used React.js for frontend, Python (flask) for backend, and MongoDB for database.

JPEG/EXIF Investigator
Built python program to carve embedded JPEG and EXIF out of documents and parse it's location, owner, timestamps, camera-model, and other metadata of the image.

Disk Image Data Recovery Tool
Designed fstat/istat like python program to look deep into entries, boot records, and clusters of FAT-16, FAT-32 and NTFS disk images. Which can be use to find and recover fragmented or deleted data.

CPU Scheduling
Among many projects, In my Operating System class last semester, I have developed four different CPU scheduling (FIFO, SJF, STCF, and RR) algorithms in a scheduling simulator. Which successfully maximizes efficiency and ensure the fairness among running programs while utilizing resources like CPU time and I/O.

WORK EXPERIENCE

University of Massachusetts Amherst   August 2014 - Present

Worked on campus as maintainer I night shift while taking classes during the day. Trained new employees to handle confidential information of the university while working in buildings and offices.

LEADERSHIP AND ACHIEVEMENTS

Completed Honors associated degree in computer science Greenfield Community College.
Received international student scholastic achievement award in Greenfield Community College.
Served as active member of international student club on campus Facilitated many student events.
Assist on opening new diversity center collaborating with professor Ruiz at GCC.