Riddhima Mathur (she/her)

(707)- 567-6130 mathur.riddhima@gmail.com Portfolio Linkedin Github

TECHNICAL SKILLS

Python, C++ in a Linux environment, Java, HTML, MySQL

EDUCATION

CSU East Bay ***Aug 2018- Dec. 2020***

BS - Computer Science

Relevant Coursework: Database Architecture, Blockchain, Mobile Programming, Software Engineering, Analysis of Algorithms, Operating Systems, Programing Language Concepts, Computer Architecture, Website Development, Security and Information Assurance, Automata and Computation

Ohlone College **Aug2016- June 2018**

Computer Science

Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Discrete Structures, PL/SQL, Assembly Language

WORK EXPERIENCE

Foxit Software

Solutions Engineer Intern **May 2019 - Aug 2019**

- Developed a text summarization tool plugin for the Foxit PDF reader in Python and C++ used by 1000s of students
- Utilized NLP modules, such as Corpus and Tokenize, from the Python Natural Language Toolkit (NLTK) to separate large blocks of text into smaller parts

Sopact (Social Media Impact Company)

QA Intern **May 2017- July 2017**

- Researched and tested bugs in the company's web application with numerous test cases + documented glitches
- Creatively designed product manuals and instructional videos for setup and onboarding to assist customers
- Conducted research on the company website and evaluated competitor websites to develop SEO strategies based on keyword research and strategy

PROJECTS

Text Summarization **Github**

Backend project written in Python and C++ which accepts text input, parses and eliminates phrases, and generates a summarized version of the text.

- Utilized tools in the Natural Language Toolkit (NLTK) to tokenize and parse text using stemmers, tokenizers, and stopwords
- Created a Python dictionary that calculates and stores sentence scores using word frequencies and stemming

Gradebook **Github**

Program written in C++ designed to allow instructors to manage exams, assignments, and grades for their courses. The gradebook processes user inputted commands to add student names, numbers, grades, change grades, calculate a final semester grades, print out student information to output files.

- Used object oriented programming to store student and semester data in separate classes that instantiate when new students or terms are added
- Student information is stored in a vector so students can be dynamically allocated and their associated scores are in linked lists and arrays

LEADERSHIP & CAMPUS INVOLVEMENT

Dot Slash Computer Science Club

Treasurer & Public Relations Officer ***Sept 2016- June 2018***

- Designed various club projects including: a Python smile detection program and personal websites for all members
- Worked with a team of 6 to create a schedule builder for Ohlone College's class registration website using HTML and Python
- Organized coding projects and company tours at Tesla and Twitter for 60 students
- Diligently maintained the club website and coordinated all social media and outreach