

Mayur Suresh

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EDUCATION

West Chester University of Pennsylvania
Cum Laude - Bachelor of Science in Computer Science

West Chester, PA
September 2020 - May 2023

EXPERIENCE

West Chester Programming Contest Judge

West Chester University of Pennsylvania

March 2023 - April 2023

West Chester, PA

- Repository: github.com/MaySur/WCPC
- Organized and led the Python section of the beginner to intermediate programming competition.
- Developed programming challenges and evaluated solutions to assess participants' skills and progress.
- Collaborated with other section leads to ensure a smooth and successful competition experience for all participants.

PROJECTS

WCUPA Exhibit Website | *React.js, JavaScript, GitHub, YoutubeAPI*

March 2023 - September 2023

- Developed a React Website for the University's Department of Anthropology and Archaeology's Surrounded By the Spirits exhibition
- Collaborated with a interviewer and a video editor to successfully complete this project.
- This Website is part of the interactive component of the exhibit which will be displayed on a screen as part of the exhibit.
- I used React.js to make the website more accessible, user friendly and interactive and React.js is one of the best frameworks for this.
- Website: wcumuseum.github.io/SurroundedByTheSpirits
- More Detailed explanation: maysur.github.io/Resume/project4.html

A.I. Simple Answer Application | *Python, Flask, OpenAI API, Git*

April 2023

- Developed a Flask-based web application
- Incorporated OpenAI API to build a question and answer application
- Conducted testing on individual engines and compared resulting answers
- Repository: github.com/MaySur/openAiSample1
- More Detailed explanation: maysur.github.io/Resume/project3.html

A.I. with Unreal Engine | *Unreal Engine, OpenAI API, Version Control, Git*

January 2023 - May 2023

- Develop AI models that can navigate through an Unreal Engine 5 environment
- Utilize R* and OpenAI API algorithms for generating optimal paths and decision-making respectively
- Gather training data through simulations and real-life scenarios for effective model training
- Test and validate the AI models' performance and effectiveness in different scenarios and under various conditions.
- Repository: github.com/colbyg118/csc-490-unreal
- More Detailed explanation: maysur.github.io/Resume/project2.html

Source Scan | *Python, Flask, Redis, Docker, Kubernetes, Reddit API, Git*

August 2021 - December 2021

- Collaborated with other students to plan and implement the Source Scan web application
- It utilizes a python based Reddit API worker that scans selected subreddits based on key words submitted by the user, and stores its findings in a redis database.
- JavaScript and HTML is used to build the web page. Flask Library is used in connection with the WebUI and the python worker.
- Repository: github.com/MaySuresh/Source-Scans
- More Detailed explanation: maysur.github.io/Resume/project1.html

TECHNICAL SKILLS

Languages : Python, Java, JavaScript, SQL, Assembly Language, Ocaml

Development: HTML, CSS, Bootstrap, React.js, React Native, Flask(Python Library), Django Webserver, SQLite Database

Developer Tools: Heroku, Firebase, Expo, Postman, VMWare, VirtualBox, Ubuntu/Linux, GitHub, Git, PowerShell, VSCode, Eclipse, Docker, Jenkins, Kubernetes, Excel, PowerPoint, Anaconda(Python), GNU Debugger, Wireshark

ACHIEVEMENTS

- Harvard X - Programming with Python Certification
- Harvard X - A.I. with Python; Web Development with Python
- West Chester University - Computer Security Certificate
- West Chester University - Dean's List; Fall 2021