Soulemane Sow

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EDUCATION

Manhattan Center for Science and Mathematics   **New York, New York**

B.S. & M.S. in Computer Science   *Expected Graduation, June 2026*
  - o   **GPA:** 91.82/4.00, *Principal Honor Roll*

EXPERIENCE

Emerging Leaders in Technology and Engineering (ELiTE)   **New York, New York**
Software Development Engineering Intern   *November 2022 –Present*

- Acquiring Python proficiency for personalized designs, animations, games, and dynamic visualizations
- Learning C++ in Arduino for an expanded skill set beyond conventional programming

Columbia Engineering SHAPE   **New York, New York**
Student   *July 2023 – Aug 2023*

- Gained core knowledge in Python with real-world applications for games like Minesweeper
- Created a 3D print design with SolidWorks

All-Star Code   **Remote**
Student   *July 2023 –Aug 2023*

- Participated in a Summer Intensive Program for comprehensive tech education
- I learned HTML, CSS, and JS; mastering p5.js for Javascript.
- Developed a healthcare app with API integration for self-diagnosis, showcasing practical application skills

Code Nation   **New York, New York**
Student   *Oct 2023– Present*

- Built a Playlist that took in the link and names of the video and artist and put it into a box, where users later can go back and press on the link and personal portfolio where I added information about myself and my different projects

PROJECTS

Facial Recognition Attendance System   **New York, New York**
Lead   *Dec 2023 – Feb 2024*

- Utilizes OpenCV, NumPy, and face_recognition libraries
- Captures video frames and detects faces
- Compares detected faces with known individuals
- Marks attendance based on recognition

Artify - Image Generator   **New York, New York**
Lead   *Feb 2024*

- HTML, CSS, and JavaScript utilized
- Simple interface for text-based image generation
- Users input text and click a button
- The application generates an image using a placeholder image API
- The generated image is displayed below the input field

Tweet   **New York, New York**

Lead   *Sept 2023*

- Captures video frames and detects faces

- Compares detected faces with known individuals

- Marks attendance based on recognition

FitTrack   **New York, New York**
Lead   *Feb 2024*

- Utilizes HTML, CSS, and JavaScript for inputting workout data

- Stores data via local storage and displays it on a separate page, showcasing practical applications in the health-tech intersection

ACTIVITIES AND LEADERSHIP

Computer Science Club   **New York, New York**
President   *Dec 2022 – Current*

- Leading and teaching Python to high schoolers, showcasing leadership and educational skills

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, C++
Tools: VS Code, PyCharm, Git, Git Hub