**Soulemane Sow**

US Citizen | 14soulemanesow@gmail.com | (347)-544-5527 | LinkedIn: [linkedin.com/in/soulemane-sow-731ab1281](https://www.linkedin.com/in/soulemane-sow-731ab1281)| GitHub: Soulemane12

**EDUCATION**

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

*B.S. & M.S. in Computer Science Expected Graduation, June 2026*

* **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