Muhammed Amin Senghore

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github.com/msio414 ✳ *linkedin.com/in/msio* ✳ *github.com/logstacklabs* ✳ *tryhackme.com/p/msio*

Summary

I'm a tech enthusiast with a strong interest in IT and cybersecurity, and a passion for solving problems through programming. I have a good foundation in C & Python Programming, and I'm comfortable working with Linux, Git/GitHub, the HUGO framework, and tools like Microsoft Office and Google Cloud. I enjoy learning how things work and continuously seek out challenges that help me grow whether through coding, troubleshooting, or team collaboration.

Experience

Freelancer   Nov. 2024 – Present
Logstack Labs   *Remote | Istanbul/Turkey*

- Designed and developed custom themes for the Hugo static site generator, enhancing website aesthetics and functionality for various users and platforms. These themes are easy to setup & customize, with SEO & social-friendly features: meta tags, Open Graph, Twitter Card support, and basic structured-data snippets (JSON-LD) for better search visibility.
- Managed version control with Git and applied semantic versioning to track updates and improvements clearly.

Projects

2D Bouncing Ball Simulation   Jun. 2025
github.com/msio414/stanford-cip5-final-project   *Python, Tkinter*

- As part of my Stanford CIP5 final project, I developed a realistic 2D physics simulation of bouncing balls using Python and the standard "tkinter" library for the graphical interface. The simulation displays balls of various sizes, masses, and colors that move under the influence of gravity.
- Implemented Maths & 2D Vector physics calculations for handling ball-to-ball and ball-to-wall collision detection and responses.

HUGO Portfolio Theme Collection   Feb. 2025 - Jul. 2025
github.com/orgs/logstacklabs/repositories   *Html, Scss, Css, Js*

- I built a collection of simple, one-page themes using the Hugo static site generator and HTML, SCSS, CSS, & JavaScript.
- These themes are lightweight, responsive, interactive, SEO friendly, and easy to customize & configure.

Quizbit (CLI QuizGame)   May. 2024
github.com/msio414/quizbit   *C, OpenSSL, RegEx, SQLite3*

- As part of my CS50x final project, I built a CLI based QuizGame using the C programming language.
- The program uses SQLite3 to store, retrieve, & track player stats and profile info. It also uses RegEx and the SHA256 hashing algorithm to securely validate and encrypt user password details.

Tic Tac Toe Game   May. 2024
github.com/msio414/ttt-game   *C Programming*

- I built a CLI based Tic Tac Toe game in C. The game uses the **MiniMax** decission making algorithm for the single player mode to find the next best move for the computer while the game is ongoing.

Education

S.O.S Hermann Gmeiner Technical Senior High School　　　　　Bakoteh, The Gambia
High School Diploma & WASSCE Certificate　　　　　*June 2018*

Professional Training & Bootcamps

CS106A　　　　　Stanford Code In Place
Python Programming Methodologies　　　　　*Jun. 2025*

- CS106A is a free online course offered by Stanford University. It Covers the fundamentals of computer programming using the widely used Python programming language

Junior Cybersecurity Analyst　　　　　Cisco Networking Academy
Career Path　　　　　*May. 2025 – Present*

- This is a preparatory course for the entry-level CCST CyberSecurity certification by Cisco Networking Academy.
- It covers an Introduction To Cybersecurity, Networking Basics, Networking Device Configuration, Endpoint Security, Network Defense, Cyber Threat Management...etc.

Computer Science For Python Programming　　　　　HarvardX, EdX
Computer Science Professional Certificate　　　　　*Nov. 2024 – Present*

- This is a two-course professional certificate program offered by HarvardX on Edx.
- The courses in this program are **CS50x** & **CS50p** and they cover the Introduction to C programming, Algorithm's In C, Memory Management in C, Python Programming, SQLite, JavaScript and CSS & HTML.

Certifications

CS106A Programming Methodologies　　　　　Jun. 2025

- CS106A is an online Stanford Code In Place's programming course offered by Stanford University.

CS50x Introduction To Computer Science　　　　　Aug. 2024

- An online course offered by Harvard on Edx.

C Programming Fundamentals　　　　　Mar. 2023

- An online non-credit course offered by **Duke University** through Coursera.

Linux Basics: The Command Line Interface　　　　　Feb. 2023

- An online course offered by Dartmouth & IMT on EdX.

Skills & Interests

Languages: English (Native), Turkish (B1 Level), Wolof (Advanced), & Mandinka (Intermediate).

Programming: Basic C programming & Python, HTML, CSS & Basic JS, Bash & PowerShell.

Tools & Technologies: Git & GitHub, Linux CLI, HUGO, Webstrom, VScode, Pycharm, Microsoft Office, Google Cloud Services.