Mathew Sabu

mathewsabu@mail.adelphi.edu● (929)-402-5509 ● *mathewsabuportfolio.netlify.app* ● *https://www.linkedin.com/in/mathew-sabu-b94579265/*

EDUCATION

Adelphi University   *Expected May 2026*
Computer Science GPA 4.0/4.0   *Garden City, NY*
Grade GPA 3.8/4.0

- **Relevant Coursework:** Intro to Computer Programming, Intermediate to Computer Programming(OOP), Discrete Structures
- **Current Coursework:** Intro to CyberSecurity, Data Structures, Database Manmgemnt Systems, Calc II

SKILLS & INTERESTS

- **Programming Languages:** Python, Java, HTML, CSS, JS
- **Skills:** Problem solving, Communication skills, Computer skills, Team leader
- **Interests:** Cyber Security, Software Engineering, Machine Learning

PROJECTS/EXPEIRENCE

Cyptography Cipher
https://github.com/TheLegend274/Encrypt
Python
- Implemented Caesar cipher encryption algorithm
- Used string manipulation and translation functions to handle the encryption and decryption processes
- Created a corresponding decryption algorithm
- Tested and validated the program functionality with real world messages

PasswordManager
https://github.com/TheLegend274/PasswordManager/tree/main
Pythom
- Designed and developed a secure and user-friendly Password Manager application, demonstrating strong programming and cybersecurity skills.
- Implemented user authentication mechanisms, such as passwords.
- Published the Password Manager application on platforms like GitHub or personal website, showcasing your programming expertise and commitment to cybersecurity

Snake Game
https://github.com/TheLegend274/Snake-Game
Python
- Designed and implemented fundamental game mechanics, including player controls, ball physics, scoring, and game logic.
- Displays scoreboard and shows highschore
- Enhanced user experience by incorporating keyboard input handling for smooth and responsive gameplay.
- Applied object-oriented programming principles to create modular and maintainable code for scalability.

Pong
https://github.com/TheLegend274/Ball-Pong
Python
- Implemented core game mechanics, including snake movement, collision detection, and scoring system.
- Implemented collision detection algorithms to determine ball interactions with paddles and game boundaries.
- Displays a scoreboard of the amount of points each player has
- Applied object-oriented programming principles to organize code into reusable and maintainable components, enhancing scalability and codebase readability..

BankAccount
https://github.com/TheLegend274/BankProject
Java
- Used OOP to make a Bank project where you can access a bank account
- There is a withdraw and deposit function that you use on your account
- Uses TDD to test the methods

Programming Tutor   *September 2022 - Present*
Adelphi
- Taught computer fundamentals to freshmans and sophmores
- Taught OOP in Java to students
- Used problem solving techniques to answer questions

AWARDS

Gamma Beta Phi National Honor Society   *January 2023-Present*
National Honor Society
- Awarded an invitation for membership to the prestigious Gamma Beta Phi National Honor Society
- Maintained a high GPA

Dean's Award
Honor Society   *December 2022-Present*
- Maintained a high GPA as a full time student and performed academically well
- Was one of the few selected students in the school to receive this academic ac