ARTIFICIAL INTELLIGENCE USAGE DISCLOSURE FORM

CIS 3360 - Security in Computing

University of Central Florida

STUDENT INFORMATION

Student Name:	LUIZ GUSTAVO SANTANA DIAS GOMES
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Assignment:	HOMEWORK 1
Due Date:	SEPTEMBER 12, 2025
Submission Date:	SEPTEMBER 5, 2025

IMPORTANT POLICY STATEMENT

This form must be completed and signed for every assignment submission. Failure to complete this form accurately may result in academic penalties. **Any undisclosed use of AI tools will be considered plagiarism and will result in a zero grade for the entire assignment.**

AI USAGE DECLARATION

Please select ONE of the following options by checking the appropriate box:

☐ **NO AI USAGE:** I certify that I have NOT used any artificial intelligence tools, software, or services in the completion of this assignment. All work submitted is entirely my own original work.

■ **AI USAGE DISCLOSED:** I certify that I HAVE used artificial intelligence tools, software, or services in the completion of this assignment. I have provided complete and accurate disclosure of all AI usage in the accompanying markdown file.

CERTIFICATION AND SIGNATURE

I certify that the information provided above is complete, accurate, and truthful. I understand that:

- Any undisclosed use of AI tools constitutes academic dishonesty and plagiarism
- Providing false information on this form is a violation of the academic integrity policy
- This assignment will be evaluated according to the AI usage policy outlined in the course syllabus
- Failure to properly disclose AI usage will result in a zero grade for the entire assignment

Student Signature:	Luiz Gustavo Santana Dias Gomes	**Date:**	9/5/2025

AI USAGE DISCLOSURE EXAMPLES

Use these examples as a guide for the level of detail required in your markdown disclosure file.

FIELD DESCRIPTIONS AND EXAMPLES

Tool Name	**Examples:** ChatGPT, Claude, GitHub Copilot, Gemini, Perplexity, Bing Chat
Version/Model	**Examples:** GPT-4, GPT-4 Turbo, GPT-5, Claude Sonnet 3.5, Claude 4, GitHub Copilot (GPT-4)
Date(s) Used	**Examples:** January 15, 2025; January 18, 2025; January 20, 2025
Specific Parts	**Examples:** Code debugging for functions calculateHash() and validateInput(); Literature review for Section 2.3; Writing assistance for conclusion paragraph
Prompts Used	**Examples:** "Help me debug this Python function that calculates SHA-256 hashes"; "Explain the difference between symmetric and asymmetric encryption"
AI Output	**Examples:** AI provided corrected code with explanations of the logic errors; AI generated a comparison table of encryption methods
Verification	**Examples:** Tested the corrected code with sample inputs; Verified encryption explanations against textbook; Implemented suggested security measures
Multiple Uses	**Examples:** First asked for algorithm explanation, then requested code example, finally asked for optimization suggestions
Reflection	**Examples:** I learned about proper error handling techniques and improved my debugging skills; Understanding of cryptographic concepts was enhanced

DETAILED EXAMPLE: Code Debugging

Tool Name: ChatGPT
Version/Model: GPT-4
Date(s) Used: January 15, 2025
Specific Parts: Code debugging for the calculateHash() function in Programming Assignment 2, specifically fixing the SHA-256 implementation that was producing incorrect hash values.
Prompts Used: "I have a Python function that's supposed to calculate SHA-256 hashes, but it's giving me wrong results. Here's my code: [code snippet]. Can you help me identify what's wrong?"
AI Output: AI identified that I was not properly encoding the input string to bytes before hashing, and provided a corrected version of the function with proper UTF-8 encoding.
Verification: Tested the corrected function with the provided test cases from the assignment; Verified the hash outputs against online SHA-256 calculators; Cross-referenced the encoding explanation with the Python hashlib documentation
Multiple Uses: Had a 3-turn conversation: initial debugging request → follow-up about persistent issues → request for conceptual explanation
Reflection: I learned about the importance of proper data type handling in cryptographic functions and gained a better understanding of Python's string encoding system. This helped me avoid similar issues in subsequent hash-related functions.