

Analysis and Design of Advanced Algorithms

Group #607

Team 3

Luis Salomón Flores Ugalde

Santiago Quintana Moreno A01571222

Miguel Ángel Álvarez Hermida A01722925

Benjamin-Christian Blaga A01830797

## **INTEGRATED ACTIVITY - TRANSMISSION ANALYSIS AND MALICIOUS CODE DETECTION**

Alfredo Luce Morales A01772499

This project helped me understand how to integrate a Suffix Automaton into a larger workflow while ensuring compatibility with surrounding components. Seeing how each part of the system relied on precise behavior from the automaton made me more aware of the importance of validation and integration testing. The process also trained me to recognize small implementation details that can significantly affect correctness and performance, especially when different modules depend on one another.

Working collaboratively also highlighted the value of communication when implementing advanced algorithms. Sharing design decisions, reviewing others' work, and coordinating changes made the development process more coherent and efficient. Overall, this experience strengthened both my technical understanding and my ability to work effectively within a team setting.