

CONTACT

taniatitiriga21@gmail.com | github.com/taniatitiriga | Timișoara, RO

PROFESSIONAL EXPERIENCE

Cybersecurity Seminars - Google.org | Apr. - Dec. 2025

- Wireshark, Burp Suite, Nessus, Splunk

Following the theoretical and hands-on modules in IAM, SIEM/SOC, endpoint and network security, I worked in a collaborative environment to offer vulnerability assessments to local businesses and public institutions.

Quantum Computing lab practice - LigaAC Labs | Mar. - Jun. 2025

Equal1 • Python and Qiskit

With the knowledge acquired during the training sessions, I developed a Clifford randomized benchmarking tool using Qiskit Aer to estimate gate fidelity under simulated noise models.

Web Development lab practice - LigaAC Labs | Mar. - Jun. 2024

OPSWAT • JavaScript, TypeScript, SCSS

Contributed to developing the open-source OPSWAT File Security Chrome Extension by integrating file and URL malware scanning via API. Enhanced the user experience with dynamic, responsive statistics using TypeScript and SCSS.

COMPETITIONS

1st place AI & Blockchain, 2nd place DeFi, best use of Sui SDK - Sui Hackathon | Dec. 2025

- National - team of 4
- Organiser: Sui Foundation

Winner - RoNaQCI Quantum Hackathon | Jun. 2025

- National - team of 5
- Organiser: Romanian National Quantum Communication Infrastructure

PROJECTS

Hands-free Crypto Wallet

Competing in the Sui Hackathon, my team and I created a user-first crypto wallet controlled by vocal and text natural language commands, secured using zkLogin and available in Telegram app.

LSTM Neural Network Stock Predictor

Implemented an LSTM neural network for stock price prediction, achieving a MAPE accuracy score <5.

Lipski-Preparata implementation

Created the first python implementation of the Lipski-Preparata algorithm for efficient contouring of geometrical shapes.

EDUCATION

West University of Timișoara | 2023-2026

Bachelor of Computer Science in English

English - bilingual proficiency **Romanian** - native proficiency **French, German** - elementary proficiency