NITHYA SAMADHI LOKUGE

Portfolio: https://www.nithyalokuge.github.io | **LinkedIn**: https://www.linkedin.com/in/nithyalokuge/

EDUCATION

<u>Master Course: Interactive Digital Media</u>   *2024 - Current*
    Trinity College Dublin - Dublin, Ireland

- *Relevant Coursework*: Authoring for Digital Media; Programming for Digital Media; Visual Computing and Design; Audio, Video & Sensor Technologies; Contextual Media.

<u>Bachelor Degree: Sicurezza dei Sistemi e delle Reti Informatiche</u>   *2019 - 2024*
    <u>("Computer Systems and Networks Security")</u>
    Università degli Studi di Milano - Via Celoria, 18, 20133, Milano (MI), Italy

- ***Results***: **99/110**
- *Bachelor Degree Thesis*: "Analisi valutativa e aspetti di sicurezza della piattaforma INTO-CPS per Digital Twin"
               ("Valuation analysis and security aspects of the INTO-CPS platform for Digital Twin")
  Thesis description:
  Evaluated the suitability of INTO-CPS as a Digital Twin (DT) platform by analyzing how its toolchain meets common DT requirements and investigating its potential to simulate security threats in Cyber-Physical Systems (CPSs). Additionally, the research assessed the overall safety and robustness of the DTaaS environment.
  Thesis supervisor: University Professor Elvinia Maria Riccobene
  Thesis co-supervisor: University Professor Chiara Braghin
- *Relevant Coursework*: Computer Programming; Web and Mobile Programming; Computer Networks; Systems and Networks Security; Secure Software Design; Operating Systems; Algorithms and Data Structures; Databases; Computer Architecture; Cryptography; Biometric Systems; New Media Sociology; Economical, Ethical, Social, and Legal Aspects of IT; Computer Forensics; Probability and Mathematical Statistics; Continuous Mathematics; Discrete Mathematics.

LANGUAGES

- **Italian**: Native
- **English**: C1 (IELTS Academic – 16 Mar 2024)

TECHINAL SKILLS

- **Frontend**: HTML, CSS, Bootstrap, JavaScript
- **Backend**: Node.js
- **Databases**: MongoDB
- **Design & Multimedia**: Autodesk 3ds Max