NITHYA SAMADHI LOKUGE

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I'm an enthusiastic and detail-oriented postgraduate student with a strong interest in web and mobile app development. Designing and developing user-friendly, accessible interfaces from scratch is what fuels me. Through hands-on projects, I've worked with both front-end and back-end technologies. I'm eager to keep learning and growing while contributing creativity, curiosity, and a collaborative mindset in a professional environment.

EDUCATION

Master Course: Interactive Digital Media   *2024 - Current*
Trinity College Dublin - Dublin, Ireland

- *Dissertation*: "Between Pixels and Personae: The Virtual Influencers Phenomenon"
  Dissertation description:
  This study explores how virtual influencers construct authenticity and exert influence, revealing how they reshape identity, marketing, and audience perception.
  Supervisor: Dr. Radek Przedpelski
- *Relevant coursework*: Authoring for Digital Media; Programming for Digital Media; Visual Computing and Design; Audio, Video & Sensor Technologies; Contextual Media.

Bachelor Degree: Sicurezza dei Sistemi e delle Reti Informatiche   *2019 - 2024*
                  ("Computer Systems and Networks Security")
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:
  This thesis evaluates 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 assesses the overall safety and robustness of the Digital Twin as a Service (DTaaS) environment.
  Supervisor: University Professor Elvinia Maria Riccobene
  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 March 2024)

TECHNICAL SKILLS

- **Front-end**: HTML, CSS, JavaScript, Bootstrap, Web Content Accessibility Guidelines (WCAG)
- **Back-end**: Node.js
- **Databases**: MongoDB, MySQL
- **Design & Multimedia**: Autodesk 3ds Max, Adobe Premiere Pro

- ▪ **Development tools**: Visual Studio Code, Git, Figma
- ▪ **Other tools & languages**: Processing

CERTIFICATIONS

ICDL Modules - The Digital Skills Standard:
- ▪ **IT-Security / Cyber Security** (AICA - 12 April 2017)
- ▪ **Presentation** (AICA - 12 April 2017)
- ▪ **Online Essentials** (AICA - 15 March 2017)
- ▪ **Spreadsheets** (AICA - 15 February 2017)

SOFT SKILLS

- ▪ **Team collaboration**:
  strengthened through various group projects, including the development of websites for *Westland Square* and *Cultura*, as well as the production of a short film.
- ▪ **Effective communication**:
  developed through frequent oral assessments in the Italian education system and further refined during the Master's programme through project reviews, presentations, and regular interaction with colleagues and lecturers.
- ▪ **Time management**:
  enhanced during a particularly demanding academic period (February - May 2025) while simultaneously working on the dissertation, group projects, and multiple individual assignments.
- ▪ **Flexibility and adaptability**:
  demonstrated in managing last-minute changes and proactively stepping into new contexts, such as audiovisual production experienced during the Master's programme.
- ▪ **Reliability**:
  a collaborative and constructive attitude, with a willingness to accommodate others' needs and support the team when challenges arise.
- ▪ **Autonomy**:
  exercised in handling individual assignments and specific sections of group projects independently, meeting deadlines and priorities with a strong focus on the quality of the final product.