

EDUCATION

Gran Sasso Science Institute

Ph.D. in Computer Science

L'Aquila, Italy

November 2018–March 2023

Thesis topic: Adaptive Influence Maximization: Bounding Adaptivity Gaps and Beyond

Advisors: Prof. Gianlorenzo D'Angelo and Dr. Cosimo Vinci

Pondicherry University

M.Sc. in Computer Science

Puducherry, India

July 2015–May 2017

University of Calcutta

B.Sc. in Computer Science

Kolkata, India

July 2012–June 2015

EXPERIENCE

Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Postdoctoral Researcher

Risk Assessment and Adaptation Strategies Division (RAAS)

Institute for Climate Resilience

Manager Dr. Elisa Furlan

Venice, Italy

June 2024 –Present

Università Ca'Foscari Venezia

Postdoctoral Fellow

Data Science for Society Group

Department of Environmental Science, Informatics and Statistics (DAIS)

Supervisor: Prof. Fabiana Zollo

Venice, Italy

March 2023 –February 2024

IVECO Group

Data Analyst Intern

Supplier Warranty Recovery Department

Manager: Marco Surra

Turin, Italy

September 2022 –March 2023

Chegg India Pvt. Ltd.

Computer Science Tutor

Online

June 2017 –June 2018

Indian Statistical Institute

Summer Research Intern/ R.C Bose Center for Cryptology

Supported by Microsoft Research India

Advisor: Prof. Bimal Kumar Roy

Kolkata, India

May 2016 - July 2016

– (2,n) Visual Cryptographic Schemes for Monochromatic Images.

SUPERVISION

Federico Chiarello, MSc thesis

• Università degli Studi di Padova

Topic: Developing a Chatbot specific to climate change adaptation techniques using Retrieval-Augmented Generation (RAG)

Venice, Italy

September 2024 –December 2024

PUBLICATIONS

- [1] M. Hroch, P. Kompatsiaris, V. Grassmuck, J. Moreno, L. Peschke, J. Jiráček, and D. Poddar, “Futures of algorithms and choices: Structuration of algorithmic imaginaries and digital platforms in europe”, *Central European Journal of Communication*, vol. 17, no. 1(35), Jul. 2024.
- [2] G. D’Angelo, D. Poddar, and C. Vinci, “Better Bounds on the Adaptivity Gap of Influence Maximization under Full-adoption Feedback”, in *Artificial Intelligence Journal (AIJ)*, Mar. 2023.
- [3] D. Poddar and F. Zollo. (Oct. 2023). “EUMEPLAT WP4.4: Aggregated Data Analysis on Migration in the EU”, [Online]. Available: https://www.eumeplat.eu/wp-content/uploads/2023/11/D4.4_Aggregated-Data-Analysis-Report.pdf.
- [4] G. D’Angelo, D. Poddar, and C. Vinci, “Better Bounds on the Adaptivity Gap of Influence Maximization under Full-adoption Feedback”, in *The 35th AAAI Conference on Artificial Intelligence (AAAI)*, Feb. 2021.
- [5] G. D’Angelo, D. Poddar, and C. Vinci, “Improved approximation factor for adaptive influence maximization via simple greedy strategies”, in *The 48th International Colloquium on Automata, Languages, and Programming (ICALP)*, Jul. 2021.

SKILLS

- **Object-Oriented Programming:** C++, Python, Java, Julia
- **Procedural Programming:** C
- **Low-Level Programming :** Assembly Language
- **Declarative Programming:** SQL
- **ERP:** SAP
- **Data Visualization:** QlikSense
- **MS office:** Excel, Word, Outlook, PowerPoint
- **Geographic Information System:** QGIS
- **Soft skills:** Communication, Problem-solving, Critical and analytical thinking, Decision making

LANGUAGES

- **English:** Fluent
- **Italian:** Basic
- **Hindi:** Native
- **Bengali:** Native

TALKS AND CONFERENCES

- | | |
|---|----------------------|
| • Vidyasagar College | Kolkata, India |
| • Delivered a talk on Green Computing | Winter 2014 |
| • Max-Planck-Institut für Informatik | Saarbrücken, Germany |
| • Attended the 20th Max Planck Advanced Course on the Foundations of Computer Science | Summer 2019 |
| • The 35th AAAI Conference on Artificial Intelligence (AAAI 2021) | Online |
| • Presenting author | February 2021 |

ACTIVITIES

- | | |
|--|-------------------|
| • Pint of Science Italia 2019 | L’Aquila, Italy |
| • Team L’Aquila staff | May 2019 |
| • SHaring Researchers’ Passions for Engaging Responsiveness (SHARPER) Night 2019 | L’Aquila, Italy |
| • L’Aquila chapter staff | 27 September 2019 |

- Networks 2021 Online
Volunteered as a judge for the lightning talks July 2021
- International Colloquium on Automata, Languages and Programming (ICALP) 2021 Online
Student volunteer July 2021
- SHaring Researchers' Passions for Engaging Responsiveness (SHARPER) Night 2021 L'Aquila, Italy
L'Aquila chapter staff 24 September 2021
- International Conference on Autonomous Agents and Multiagent Systems (AAMAS) 2023 Online
Sub-reviewer November 2022

PROJECTS

EUMEPLAT Venice, Italy
European Media Platforms: assessing positive and negative externalities for European culture March 2023 –Feb 2024
Topic: Exclusion: Platformization of Media Representation for Migration related issues in EU.

BlueGreen Governance (BGG) Venice, Italy
 Developing land-sea governance schemes based on scientific evidence & societal choices June 2024 –Present
Topic: Governance experimentation in an effort to operationalize the innovative governance schemes with the support of key outcomes from strategic foresight analysis.

DesirMED Venice, Italy
 Demonstrating nature-based Solutions for climate Resilience in the MEDiterranean June 2024 –Present
Topic: Accelerate knowledge and data exchange on Mediterranean landscapes and KCSs to support testing and demonstration of place-based solutions.

NBRACER Venice, Italy
 Nature-Based Solutions for Atlantic Regional Climatic Resilience June 2024 –Present
Topic: Formulate pathways to climate resilience through an integrated approach combining a sound conceptual framework, modelling, mapping and decision support tools, processes, and sustainable governance mechanisms.

AcquaGuard Venice, Italy
 Nature-Based Solutions for Flood Prevention September 2024 –Present
Topic: Create a model for decision support system (DSS) and developing nature-based solutions (NBS) for flood prevention in Italy and Croatia.