Saina Sunny

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Personal Information

Date of Birth: 20-06-1994

Gender: Female

Citizenship: Indian

Language: English, Hindi, Malayalam

Current Address: Avenue des Nerviens 117, 1040 Etterbeek, Belgium

Permanent Address: Kollaparampil House, Puthupally P O, Kottayam, Kerala - 686011

Education

PhD — Indian Institute of Technology Goa ↗ — July 2019 – July 2025 (defended)
School of Mathematics and Computer Science
- Advisor: Dr. Amaldev Manuel ↗
- Research Area: Theoretical Computer Science
- CGPA: 8.93/10 (Coursework from Chennai Mathematical Institute ↗)
- Thesis: Distance and Conjugacy of Word Transducers

B.Tech — College of Engineering Trivandrum ↗ — August 2012 – April 2016
Computer Science and Engineering
- CGPA: 9.35/10
- First rank holder in Kerala University

Experience

Université libre de Bruxelles — Brussels, Belgium
Postdoctoral Researcher — November 2025 – Present

Oracle India Pvt Limited — Bangalore, India
Member of Technical Staff — November 2018 – July 2019

Oracle India Pvt Limited — Bangalore, India
Associate Quality Assurance Engineer — June 2016 – November 2018

Publications

Approximate problems for finite transducers — ICALP 2025 ↗
Emmanuel Filiot, Ismaël Jecker, Khushraj Madnani,S. — Acceptence rate: 29.7%
10.4230/LIPIcs.ICALP.2025.155 ↗

Deciding conjugacy of a rational relation — DLT 2024 ↗
C. Aiswarya, Amaldev Manuel, S. — Acceptence rate: 65.4%
10.1007/978-3-031-66159-4_4 ↗

Edit distance of finite state transducers

C. Aiswarya, Amaldev Manuel, S.

[10.4230/LIPIcs.ICALP.2024.125](#) ↗

Academic Talks

Approximate problems for finite transducers
[ICALP 2025](#) ↗, Aarhus University, Denmark (Conference Talk)   July 2025

Edit distance of finite state transducers
[ARCS ACM India](#) ↗, PSG College of Technology Coimbatore, India (Invited)   February 2025
[ICALP 2024](#) ↗, Tallinn University of Technology, Estonia (Conference Talk)   July 2024

Deciding conjugacy of a rational relation
[Highlights of Logic, Games and Automata 2024](#) ↗, University of Bordeaux, France   September 2024
[Women in Logic 2024](#) ↗, Tallinn University of Technology, Estonia   July 2024

Closeness of finite state transducers
[Highlights of Logic, Games and Automata 2023](#) ↗ (Online)   July 2023

Deciding edit-distance between transducers
[Formal Methods Update Meeting 2023](#) ↗, IIT Goa, India   June 2023

Position of Responsibility

Senate Post Graduate Committee, IIT Goa   2022 - 2024
PhD student representative

CSE Branch Representative, College of Engineering Trivandrum   2013 - 2016
Student representative of B.Tech batch 2016

Grants Awarded

[ACM-W Scholarship](#) ↗   2025
for presenting paper at ICALP 2025 conference

[ACM India-IARCS Travel Grant](#) ↗   2024, 2025
for presenting paper at ICALP 2024 and ICALP 2025 conferences