Saina Sunny

India ✉ saina19231102@iitgoa.ac.in 📞 +91-8075511329 🔗 saisunny1994.github.io

Personal Information

Date of Birth: 20-06-1994

Gender: Female

Citizenship: Indian

Language: English, Hindi, Malayalam

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

Education

PhD Indian Institute of Technology Goa ↗ July 2019 – present
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 (under review)

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

Oracle India Pvt Limited Bangalore, India
Member of Technical Staff August 2017 – June 2019

Oracle India Pvt Limited Bangalore, India
Associate Quality Assurance Engineer June 2016 – July 2017

Publications

Approximate problems for finite transducers ICALP 2025 ↗ (to appear)
Emmanuel Filiot, Ismaël Jecker, Khushraj Madnani,S. Acceptence rate: 29.7%

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 ICALP 2024 ↗
C. Aiswarya, Amaldev Manuel, S. Acceptence rate: 29.6%
10.4230/LIPIcs.ICALP.2024.125 ↗

Academic Talks

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