

Saina Sunny

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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 School of Mathematics and Computer Science <ul style="list-style-type: none"> • 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 	July 2019 – July 2025 (defended)
B.Tech	College of Engineering Trivandrum Computer Science and Engineering <ul style="list-style-type: none"> • CGPA: 9.35/10 • First rank holder in Kerala University 	August 2012 – April 2016

Experience

Oracle India Pvt Limited Member of Technical Staff	Bangalore, India November 2018 – July 2019
Oracle India Pvt Limited Associate Quality Assurance Engineer	Bangalore, India June 2016 – November 2018

Publications

Approximate problems for finite transducers Emmanuel Filiot, Ismaël Jecker, Khushraj Madnani, S. 10.4230/LIPIcs.ICALP.2025.155	ICALP 2025 Acceptance rate: 29.7%
Deciding conjugacy of a rational relation C. Aiswarya, Amaldev Manuel, S. 10.1007/978-3-031-66159-4_4	DLT 2024 Acceptance rate: 65.4%
Edit distance of finite state transducers C. Aiswarya, Amaldev Manuel, S. 10.4230/LIPIcs.ICALP.2024.125	ICALP 2024 Acceptance rate: 29.6%

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