

# Saina Sunny

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## Personal Information

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**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

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- PhD**      [Indian Institute of Technology Goa](#)      July 2019 – July 2025  
School of Mathematics and Computer Science (defended)
- 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

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- 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

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- Approximate problems for finite transducers**      [ICALP 2025](#)  
Emmanuel Filiot, Ismaël Jecker, Khushraj Madnani, S.      Acceptance rate: 29.7%  
[10.4230/LIPIcs.ICALP.2025.155](#)
- Deciding conjugacy of a rational relation**      [DLT 2024](#)  
C. Aiswarya, Amaldev Manuel, S.      Acceptance 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](#)

[ICALP 2024](#)

Acceptance rate: 29.6%

## Academic Talks

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### Approximate problems for finite transducers

[Highlights of Logic, Games and Automata 2025](#) (Online)

[ICALP 2025](#), Aarhus University, Denmark (Conference Talk)

September 2025

July 2025

### Edit distance of finite state transducers

[ARCS ACM India](#), PSG College of Technology Coimbatore, India (Invited)

[ICALP 2024](#), Tallinn University of Technology, Estonia (Conference Talk)

February 2025

July 2024

### Deciding conjugacy of a rational relation

[Highlights of Logic, Games and Automata 2024](#), University of Bordeaux, France

[Women in Logic 2024](#), Tallinn University of Technology, Estonia

September 2024

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

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**Senate Post Graduate Committee**, IIT Goa

PhD student representative

2022 - 2024

**CSE Branch Representative**, College of Engineering Trivandrum

Student representative of B.Tech batch 2016

2013 - 2016

## Grants Awarded

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[ACM-W Scholarship](#)

for presenting paper at ICALP 2025 conference

2025

[ACM India-IARCS Travel Grant](#)

for presenting paper at ICALP 2024 and ICALP 2025 conferences

2024, 2025