

# Aditya Anand

## Indian Institute of Technology Bombay

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🌐 <https://github.com/adityaanand7>

• 🌐 [www.adityaanand7.github.io](http://www.adityaanand7.github.io)

• 🌐 [www.linkedin.com/in/adityaanand7](http://www.linkedin.com/in/adityaanand7)

## Education

Program	Institution/Board	%/CGPA	Year
PhD (Computer Science & Engg.)	Indian Institute of Technology Bombay Maharashtra, India	8.56/10	Ongoing
PhD (Computer Science & Engg.) Transfer to IIT B	Indian Institute of Technology Mandi Himachal Pradesh, India		April 2023
B.E. (Computer Science & Engg.)	Siddaganga Institute of Technology Karnataka, India	9.52/10	May 2019

## Research Interest

I am broadly interested in developing efficient and precise static+dynamic program-analysis techniques, with a current emphasis on developing a speculation-based static+dynamic technique for Java-like languages.

## Publications

- Aditya Anand, Solai Adithya, Swapnil Rustagi, Priyam Seth, Vijay Sundaresan, Daryl Maier, V. Krishna Nandivada, and Manas Thakur. "Optimistic Stack Allocation and Dynamic Heapification for Managed Runtimes". (To appear) *In Proceedings of the ACM on Programming Languages (PLDI), Copenhagen, Denmark, June 24-28, 2024.*
- Aditya Anand. "A Study of the Impact of Callbacks in Staged Static+Dynamic Partial Analysis". *In Companion Proceedings of the 2022 ACM SIGPLAN International Conference on Systems, Programming, Languages, and Applications: Software for Humanity (SPLASH Companion 2022).*
- Aditya Anand and Manas Thakur. "Principles of Staged Static+Dynamic Partial Analysis". *In Proceedings of the 29th Static Analysis Symposium (SAS 2022), Auckland, New Zealand, December 5th-10th, 2022.*

## Professional Experience

1. Artifact Evaluation Committee Member:
  - Programming Language Design and Implementation (**PLDI 2024**)
  - European Conference on Object-Oriented Programming (**ECOOP 2024**)

## Teaching Experience

1. Teaching Assistant, CS6004: Code Optimization for Object-Oriented Languages, IIT Bombay **Spring 2024**
2. Teaching Assistant, CS614: Advanced Compiler, Indian Institute of Technology Bombay **Autumn 2023**
3. Teaching Assistant, CS515: Advanced CS Practicum, Indian Institute of Technology Mandi **Fall 2022**
4. Teaching Assistant, CS611: Program Analysis, Indian Institute of Technology Mandi **Spring 2022**
5. Teaching Assistant, CS502: Compiler Design, Indian Institute of Technology Mandi **Fall 2021**
6. Teaching Assistant, CS302: Paradigms of Programming, Indian Institute of Technology Mandi **Spring 2021**

## Workshops and Conference Attended

- Attended virtually the *International Conference on Systems, Programming, Languages, and Applications: Software for Humanity (SPLASH 2023)*, Cascais, Portugal.  
**October 22-27, 2022**
- Attended the workshop on *Software Engineering Research in India update meeting (SERI)*, Goa University, Goa.  
**June 2-3, 2023**
- Attended *International Conference on Systems, Programming, Languages, and Applications: Software for Humanity (SPLASH 2022)*, Auckland, New Zealand.

**December 05-10, 2022**

- Attended *35th European Conference on Object-Oriented Programming (ECOOP)*, Virtual Event.

**July 13-17, 2021**

- Attended the workshop on *3rd Software Engineering Research in India update meeting (SERI)*, Virtual Event.

**July 15-17, 2021**

## **Achievements/Awards**

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- Poster Presentation winner RISC 24 @IIT Bombay. **2024**
- Excellence in Teaching Assistantship. **Autumn 2023**
- Qualified GATE. **2019, 2020**
- Secured 4<sup>th</sup> rank in B.E, Department of Computer Science, VTU, Belgavi, Karnataka. **2019**
- Secured 1<sup>st</sup> rank in Inter College Technical Quiz Competition. **2018**
- Awarded as *Rajya Puraskar* in Bharat Scouts and Guides. **2013**