

Aniket Mishra

BTech Student

IIT Gandhinagar
Gujarat, india
📞 (+91) 7980322231
✉ 23110026@iitgn.ac.in
🌐 saticugcat.github.io
🐙 [saticugcat](https://github.com/saticugcat)
in [aniket-mishra-lambda](https://github.com/aniket-mishra-lambda)

Employment

- Aug 2025 – **Teaching Assistant - Discrete Mathematics**, IIT Gandhinagar, IIT Gandhinagar
Present 2025
May 2025 – **Student Intern**, CRYSPEN, Remote Work
July 2025 My work here was on Challenge #15 of *Verify Rust Std*, and it led me to find a bug in the Rust core, which we also *fixed*.

Education

- Aug 2023 – **BTech in Computer Science and Engineering**, IIT Gandhinagar, Gandhinagar, India
Present

Projects

- December 2024 – **Investigations into Automated Theorem Proving and Verification**, Vaishnavi Sundararajan, IIT Delhi
Present
August 2024 – **Timing Side Channel Leak Analysis**, Abhishek Bicchawat, IIT Gandhinagar
– July 2025
We have written a conference paper for this work, which is currently under review.
May 2025 – **Physical Implementation of the Lambda Calculus**, Collaborative Effort, IIT Gandhinagar
Present

Positions of Responsibilities

- Oct 2024 – **Club Secretary**, , AMBDA. - A PL Hobby Group, IIT Gandhinagar
Present
May 2024 – **Council Member**, Technical Council, IIT Gandhinagar
April 2025
May 2024 – **Organising Team Member**, NYASA, IIT Gandhinagar
April 2025
September 2023 – **Teaching Volunteer**, NYASA, IIT Gandhinagar
April 2024

May 2024 – **Senior Team Member - Open Day Research Showcase**,
Nov 2024 *AMALTHEA*, IIT Gandhinagar
Here I was responsible for managing CS Research exhibits.

Conferences and Workshops

- July 2025 **Formal Methods Update Meeting - Speaker**, *DAIICT*,
Gandhinagar, Gujarat, India
The content of my talk is available *here*.
- February 2025 **Indian Conference on Logic and its Applications - Participant**, *ISI Kolkata*, West Bengal, India
- December 2024 **Foundations of Software Technology and Theoretical Computer Science - Volunteer**, *IIT Gandhinagar*, Gujarat, India
- December 2024 **Winter School on Formal Verification and Program Synthesis - Participant**, *IIT Delhi*, Delhi, India
- August 2024 **Opportunity Open Source Conference - Participant**, *IIT Kanpur*, Uttar Pradesh, India

References

- **Prof. Neeldhara Misra** *Smt. Amba and Sri. V S Sastry Chair, Associate Professor Indian Institute of Technology Gandhinagar* Email ID
- **Prof. Abhishek Bicchawat** *Assistant Professor Indian Institute of Technology Gandhinagar* Email ID

Areas of Interest

Programming Language Theory, Programming Language Design and Implementation, Formal Verification, Software Models, Proof Assistants, Systems Design

Technical Skills

Rocq, LEAN4, F*, LATEX, Rust, OCaml, Haskell

Languages

Hindi (Native Proficiency), English (Fluency)