

# Aniket Mishra

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## Education

**Indian Institute of Technology Gandhinagar**

Gandhinagar, India

*B.Tech Computer Science and Engineering*

Aug 2023 - Present

CPI: 9.33

## Projects

**Investigations into Automated Theorem Proving and Verification**

**Advisor:** Prof. Vaishnavi Sundararajan, IIT Delhi

**Formalising a PL to Prevent Timing Side Channel Leaks Introduced through Control Flow**

**Advisor:** Prof. Abhishek Bichhawat, IIT Gandhinagar

## Qualifications

**Teaching Certificate**

For UG TA position at IITGN

## Conferences and Workshops

**Foundations of Software Technology and Theoretical Computer Science**

IIT Gandhinagar - December 2024 - Volunteer

**Winter School on Formal Verification and Program Synthesis**

IIT Delhi - December 2024 - Participant

**Opportunity Open Source Conference**

IIT Kanpur - August 2024 - Participant

## Other Activities

**Nyasa, IIT Gandhinagar**

May 2024 - Present

*Organizing Team Member*

<https://initiatives.iitgn.ac.in/nyasa/>

**Nyasa, IIT Gandhinagar**

September 2023 - April 2024

*Teaching Volunteer*

<https://initiatives.iitgn.ac.in/nyasa/>

**Lambda - A PL Hobby Group, IIT Gandhinagar**

Oct 2024 - Present

*Secretary*

**Technical Council, IIT Gandhinagar**

Aug 2024 - Present

*Council Member*

**AMALTHEA - Open Day Research Showcase Team**  
2024

May 2024 - Nov

*Senior Team Member*

**ADH Mentor - MA103 Introduction to Linear Algebra and Calculus of One Variable**

Sep 2024 - Present

*Under Professor Atul Dixit*

Areas of Interest	Programming Language Theory, Language Design and Implementation, Formal Verification, Software Models, Proof Assistants, Systems Design
Technical Skills	L <sup>A</sup> T <sub>E</sub> X , Python, C, Rust, OCaml, Proof Assistants like F* and Coq, Dialects of LISP
Languages	Hindi (Native Proficiency), English (Fluency)
References	<p><b>Prof. Neeldhara Misra</b>  <i>Smt. Amba and Sri. V S Sastry Chair, Associate Professor</i>  <i>Indian Institute of Technology Gandhinagar</i>  Email: <a href="mailto:neeldhara.m@iitgn.ac.in">neeldhara.m@iitgn.ac.in</a></p> <p><b>Prof. Abhishek Bichhawat</b>  <i>Assistant Professor</i>  <i>Indian Institute of Technology Gandhinagar</i>  Email: <a href="mailto:abhishek.b@iitgn.ac.in">abhishek.b@iitgn.ac.in</a></p>