

# MUGDHA KHEDKAR

Secure Software Engineering, Heinz Nixdorf Institut, Universität Paderborn, Germany

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## EDUCATION

### Ph.D. in Computer Science

Universität Paderborn, Germany  
Advisor: Prof. Dr. Eric Bodden

Expected 2026

### M.Sc. in Computer Science

Chennai Mathematical Institute, India, CGPA: 8.25/10

August 2020

### B.E. in Computer Engineering

Cummins College of Engineering, Pune (India), 73%

May 2017

## RESEARCH INTERESTS

Static Program Analysis, Data Privacy and Protection, Empirical Software Engineering

## PUBLICATIONS

**Mugdha Khedkar**, Ambuj Kumar Mondal, and Eric Bodden. *Do Android App Developers Accurately Report Collection of Privacy-Related Data?* In Proceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering Workshops (ASEW'24).

**Mugdha Khedkar**, Michael Schlichtig, and Eric Bodden. *Advancing Android Privacy Assessments with Automation.* In Proceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering Workshops (ASEW'24).

**Mugdha Khedkar** and Eric Bodden. *Toward an Android Static Analysis Approach for Data Protection.* In Proceedings of the IEEE/ACM 11th International Conference on Mobile Software Engineering and Systems (MOBILESoft'24).

Mugdha Khedkar. *Static Analysis for Android GDPR Compliance Assurance.* 2023 IEEE/ACM 45th International Conference on Software Engineering Companion Proceedings (ICSE-Companion).

## INVITED TALKS AND WORKSHOPS (SELECTED)

- *From Pain Points to Automation: Support for Privacy Assessments,* European Privacy KnowledgeNet (IAPP), Munich. Oct 2025
- *Static Analysis for Android GDPR Compliance,* Cybersecurity Center, TU Wien. Oct 2025
- *Towards Static Analysis for Android GDPR Compliance,* College of Engineering, University of California Davis. Oct 2024

## SERVICES

- Program Committee Member: STATIC 2026, ASE 2025 Tool Demo, ASE 2024 Tool Demo
- Artifact Evaluation Committee Member: USENIX 2026, PoPETS 2026
- Journal Reviewer: IEEE Transactions on Software Engineering, Journal of Software: Evolution and Process, Information and Software Technology
- Magazine Reviewer: IEEE Software
- Junior Program Committee Member: MSR 2023 Technical Track
- Mentor: Universität Paderborn perspeEktIve M program (Nov 2021 - Apr 2022)
- Student Volunteer: ASE 2024, ASE 2021
- Participant: 4th Summer School on Security Testing & Verification 2025, Dagstuhl Research Methods Seminar 2023, ICSE 2022 Student Mentoring Workshop, SIGPLAN-M (2021 – 2022), PLDI 2021 Programming Languages Mentoring Workshop

## TA EXPERIENCE

- Secure Software Engineering, Universität Paderborn (Bachelor course) Summer 2025, Summer 2024
- Seminar Secure Systems Engineering, Universität Paderborn (Master course) Winter 2023, Summer 2023
- Designing Code Analyses for Large-scale Software Systems I, Universität Paderborn (Master course) Winter 2022, Winter 2021
- Designing Code Analyses for Large-scale Software Systems II, Universität Paderborn (Master course) Summer 2022, Summer 2021

## WORK EXPERIENCE

- Research Associate, Heinz Nixdorf Institut, Universität Paderborn  
PI: Prof. Dr. Eric Bodden (Feb 2021 – now)
- Project Research Assistant, Centre for Formal Design and Verification of Software  
Dept of Computer Science and Engineering, IIT Bombay  
PI: Prof. Supratik Chakraborty (Jul 2017 – Jul 2018)

## INTERNSHIPS

- Master's Thesis Internship, Heinz Nixdorf Institut, Universität Paderborn  
Supervisor: Prof. Dr. Eric Bodden (Sept – Dec 2019)  
Thesis Topic: *Call Graph Construction for Spring Framework* ↗
- Research Internship, Dept of Computer Science and Automation, IISc Bangalore  
Supervisor: Prof. Deepak D'Souza (May – Jul 2019)  
Project: Data Race Detection in Android.
- Bachelor's Thesis Internship, Dept of Computer Science and Engineering, IIT Bombay  
Supervisor: Prof. Supratim Biswas (Jul 2016 – Feb 2017)  
Thesis Topic: *Precision Evaluation of Pointer Analysis Variants* ↗

## EXTRACURRICULAR ACTIVITIES

- Poet of more than 275 English poems some of which have been published on web. ↗
- Author of a blog where I share my travel experiences: ↗
- A member of the CMI Literature Club. (2018 – 2020)
- A member of the Editorial team of the Cummins College newsletter “The Wordsmith”. (2013 – 2016)