

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.

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)*