



MUGDHA KHEDKAR

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

- Ph.D. in Computer Science** Expected 2026
Universität Paderborn, Germany
Advisor: Prof. Dr. Eric Bodden
- M.Sc. in Computer Science** August 2020
Chennai Mathematical Institute, India, CGPA: 8.25/10
- B.E. in Computer Engineering** May 2017
Cummins College of Engineering, Pune (India), 73%

RESEARCH INTERESTS

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


PUBLICATIONS

- Mugdha Khedkar**, Ambuj Kumar Mondal, and Eric Bodden. *A Study of Privacy-Related Data Collected by Android Apps*. Automated Software Engineering Journal. (Just accepted)
- 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*, Oct 2025
European Privacy KnowledgeNet (IAPP), Munich.
- Static Analysis for Android GDPR Compliance*, Oct 2025
Cybersecurity Center, TU Wien.
- Towards Static Analysis for Android GDPR Compliance*, Oct 2024
College of Engineering, University of California Davis.

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

INTERNSHIPS

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