

MUGDHA KHEDKAR

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

<https://mugdhak30.github.io> mugdha.khedkar@upb.de Google Scholar LinkedIn

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, Michael Schlichtig, and Eric Bodden. *Source Code-Driven GDPR Documentation: Supporting RoPA with Assessor View*. IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER) 2026. (Just accepted)

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*, 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 perspektive 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) | <i>Summer 2025, Summer 2024</i> |
| • Seminar Secure Systems Engineering, Universität Paderborn (Master course) | <i>Winter 2023, Summer 2023</i> |
| • Designing Code Analyses for Large-scale Software Systems I,
Universität Paderborn (Master course) | <i>Winter 2022, Winter 2021</i> |
| • Designing Code Analyses for Large-scale Software Systems II,
Universität Paderborn (Master course) | <i>Summer 2022, Summer 2021</i> |

WORK EXPERIENCE

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

INTERNSHIPS

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

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. | <i>(2018 – 2020)</i> |
| • A member of the Editorial team of the Cummins College newsletter "The Wordsmith". | <i>(2013 – 2016)</i> |