

Michelle Thalakottur

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Education

- 2021 - Present **PhD in Computer Science**, *Northeastern University, Boston, Massachusetts, USA*,
Advised by Amal Ahmed, Frank Tip.
- 2017 - 2021 **B.Tech. in Computer Engineering**, *University of Pune, Pune, Maharashtra, India*,
Advised by Uday Khedker.

Work Experience

- Fall 2023 **Teaching Assistant**, *Northeastern University, Boston, MA, USA*.
Fundamentals of Software Engineering
- Summer 2023 **Graduate Research Intern**, *Fastly, San Francisco, CA, USA*.
WebAssembly Team, Interpreter Performance
- Fall 2022 **Teaching Assistant**, *Northeastern University, Boston, MA, USA*.
Accelerated Fundamentals of Computer Science 1
- 2020 **Undergrad Research Intern**, *IIT Bombay, Mumbai, MH, India*.
Data Flow Analysis, Compilers
- Summer 2019 **Undergrad Research Intern**, *IIT Patna, Patna, BR, India*.
Dimensionality Reduction, Machine Learning

Research Publications

- ISSTA23 **That's a Tough Call: Studying the Challenges of Call Graph Construction for WebAssembly**, *Daniel Lehmann, Michelle Thalakottur, Frank Tip, Michael Pradel*.
[PDF] [Repo] [DOI]
- ICONIP19 **Semi-supervised Regularized Coplanar Discriminant Analysis**, *Rakesh Kumar Sanodiya, Michelle Thalakottur, Jimson Mathew, Matloob Khushi*.
[DOI]
- CEC19 **Multi-objective Approach for Semi-Supervised Discriminant Analysis with Relative Distance**, *Rakesh Kumar Sanodiya, Sriparna Saha, Jimson Mathew, Michelle Thalakottur, Utkarshinee Aadya*.
[DOI]
- IEEEAccess **A New Transfer Learning Algorithm in Semi-supervised Setting**, *Rakesh Kumar Sanodiya, Jimson Mathew, Sriparna Saha, Michelle Thalakottur*.
[DOI]

Awards

- ISSTA23 **Distinguished Artifact**, *That's a Tough Call: Studying the Challenges of Call Graph Construction for WebAssembly*.
- OPLSS22 **Fellowship Grant**, *Oregon Programming Languages Summer School*.

Service

- 2023 **Artifact Reviewer**, *Science of Computer Programming Journal*.
- 2022 - 2023 **Student Volunteer**, *POPL23, ECOOP22*.
- 2023 **PhD Social Committee Vice Chair**, *Khoury College of Computer Sciences at Northeastern University*.

2020 - 2021 **Mentorship Talk**, *Pursuing Undergraduate Research*, [PPT].