

Madhurima Chakraborty

PhD student, CSE, UCR

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My Webpage
Github LinkedIn



Research Interest

I am broadly interested in the applied and fundamental aspects of programming languages, applications of software engineering and intelligent decision making; particularly developing structured program analysis and automated software testing/debugging techniques.

Education

- 2019–present **PhD, Computer Science & Engineering**, *University of California, Riverside.*
CGPA: 3.88/4
- 2011–2015 : **Bachelor of Technology, Information Technology**, *RCC IIT, Kolkata, India.*
CGPA: 8.6/10

Research Experience

University of California, Riverside

- 9/2019 – present **Design of robust Static Call Graph techniques for modern, framework-based JavaScript applications**,
Improving the low recall of present Static Call Graph techniques for modern web applications.
- Advisor : **Manu Sridharan**, *Associate Professor, Computer Science & Engineering, UCR*

Computer skills

Python, JavaScript, Java, C/C++, Latex, HTML5/CSS, Cobol

Work Experience

Product Specialist @ Cognizant, India

- 1/2018 – 5/2019 Worked on the migration of mainframe based applications to Java APIs and the data from DB2 and VSAM to H-Base and Titan DB.
- Senior Systems Engineer @ Infosys, India
- 8/2015 - 12/2017 Worked on development and maintainance of Mainframe applications.

Accolades & Honors

Academic

- 2020 **WiML ICLR 2020 Travel Grant**, *Women in Machine Learning.*
- 2020 **Bug recognized at DeepCode's Bug Bounty program**, *DeepCode.ai.*
- 2019 **Dean's Distinguished Fellowship**, *UC Riverside.*
- 2018 **Google Nanodegree Scholarship to Front End Web Developer**, *Google India & Udacity.*
- 2018 **Shortlisted for International Women's Hackathon**, *Hackerearth.*

Professional

- 2018 **1 Star Award**, *Cognizant Technology Solutions.*
For exceptional performance over the quarter
- 2017 **Insta Award**, *Infosys Limited.*
For successful implementation of a critical high visibility project

- 2017 **Insta Award**,
For excellent analytical skills
Infosys Limited.
- 2016 **High Performer Trainee**,
Awarded to top 10% employees
Infosys Limited.
- Extracurricular
- 2017 **Division-level Public Speaking Champion**,
2017 **Triple Crown Award**,
Toastmasters International.
Toastmasters International.

Teaching Experience

- Fall 2020: **CS180: Introduction to Software Engineering**,
CS, UC Riverside.

Professional Activities

Undergraduate Research Mentor: Renzo Olivares.
Student Volunteer: PLDI'20 , SPLASH'20.