

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,**
CGPA: 3.88/4

University of California, Riverside.

2011–2015 : **Bachelor of Technology, Information Technology,**
CGPA: 8.6/10

RCC IIT, Kolkata, India.

Technical skills

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

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**

Work Experience

1/2018 – 5/2019 **Product Specialist @ Cognizant, India:** Worked on the migration of mainframe based applications to Java APIs and the data from DB2 and VSAM to H-Base and Titan DB.

8/2015 – 12/2017 **Senior Systems Engineer @ Infosys, India:** Worked on development and maintenance 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,**

Infosys Limited.

For excellent analytical skills

2016 **High Performer Trainee,**

Infosys Limited.

Awarded to top 10% employees

Extracurricular

2017 **Division-level Public Speaking Champion,**

Toastmasters International.

2017 **Triple Crown Award,**

Toastmasters International.