Rahul **Yedida**

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Education _____

North Carolina State University   *Raleigh, NC*
PH.D. COMPUTER SCIENCE – ADVISOR: DR. TIM MENZIES   *Aug 2019 - May 2024*

PES University   *Bangalore, India*
B.E. COMPUTER SCIENCE   *Aug 2015 - May 2019*

Experience _____

North Carolina State University   *Raleigh, NC*
GRADUATE TEACHING ASSISTANT   *Aug 2023 - May 2024*
- TA (with 2 others) for 149 students for a graduate Automated Software Engineering course.
- TA (with 4 others) for 289 students for a graduate Software Engineering course.

North Carolina State University   *Raleigh, NC*
GRADUATE TEACHING ASSISTANT   *Aug 2022 - May 2023*
- TA (with 3 others) for 97 students for a graduate Automated Software Engineering course.
- TA (with 4 others) for 233 students for a graduate Software Engineering course.

North Carolina State University   *Raleigh, NC*
GRADUATE RESEARCH ASSISTANT   *Jan 2020 - May 2022*
- **Better, faster deep learning for SE:** Improved defect prediction by up to 123% (F-1 score), code smell detection by up to 30% (AUC)
- **Semi-supervised learning:** Achieved state-of-the-art results on static code warnings analysis using 10% of the labels.

Funding _____

Feb 2022 **$5,000**, Google Cloud Academic Research Grant

Service _____

Reviewer, ICML 2024; Neural Processing Letters 2023, 2024; Neural Computing & Applications (NCAA), 2023; Artificial Intelligence Review 2023; ICLR 2024; NeurIPS 2023; Journal of Big Data, 2023; Automated Software Engineering (ASE), 2023; Empirical Software Engineering (EMSE), 2021; IEEE Symposium Series on Computational Intelligence (SSCI) 2020

PC Member, International Conference on AI Foundation Models and Software Engineering (FORGE) 2024; Automated Software Engineering (ASE) Artifact Evaluation Track, 2022; International Conference on Software Maintenance and Evolution (ICSME) Artifact Evaluation Track, 2021, 2022, 2023; International Conference on Modeling, Machine Learning, and Astronomy (MMLA), 2019

Student Volunteer, Automated Software Engineering (ASE) '21

Honors & Awards _____

Jul 2023 **Google Cloud Champion Innovator - Cloud AI/ML**
Dec 2022 **Google Cloud Research Innovators Mentor**
Oct 2022 **Google Cloud Champion Innovator**
Feb 2022 **Google Cloud Research Innovator**

Talks _____

Feb 2024 **Improving deep learning performance using theoretical ML**, IEEE AI Symposium   *BITS Pilani, KK Birla*
                                                                                                                               Goa Campus, India

Skills _____

Languages	Python, TypeScript, Java, C++
Frameworks	Flask, Keras, PyTorch, Node.js, React
Databases	MySQL, MongoDB, DynamoDB