

EDUCATION

North Carolina State University

Ph.D. Computer Science – Advisor: Dr. Tim Menzies

Raleigh, NC

Aug 2019 - May 2024

PES University

B.E. Computer Science

Bangalore, India

Aug 2015 - May 2019

EMPLOYMENT

Amazon

Software Dev Engineer Intern

New York, NY

May 2023 - Aug 2023

- Implemented profile locks for Prime Video on Echo Show devices.
- **Technology:** React Native, TypeScript

Software Dev Engineer Intern

May 2022 - Jul 2022

- Developed a full-stack system to publish announcements in socrecards used by delivery service partners (DSPs).
- **Technology:** React/Redux, TypeScript, Redux Saga, DynamoDB, Java Spring

North Carolina State University

Graduate Teaching Assistant

Raleigh, NC

Aug 2022 - May 2023

- TA (with 3 others) for 119 students for a graduate Automated Software Engineering course.
- TA (with 4 others) for 243 students for a graduate Software Engineering course.

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.

HONORS AND AWARDS

Google Cloud Champion Innovator, Oct 2022

Google Cloud Champion Innovator - Cloud AI/ML, Jul 2023

SKILLS

Languages: Python, TypeScript, Java, C++

Frameworks: Flask, Keras, PyTorch, Node.js, React

Databases: MySQL, MongoDB, DynamoDB