

## EDUCATION

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| <b>North Carolina State University</b><br><i>Ph.D. Computer Science – Advisor: Dr. Tim Menzies</i> | Raleigh, NC<br><i>Aug 2019 - May 2024</i>      |
| <b>PES University</b><br><i>B.E. Computer Science</i>  | Bangalore, India<br><i>Aug 2015 - May 2019</i> |

## RECENT EMPLOYMENT

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| <b>Amazon</b><br><i>Software Dev Engineer Intern</i> <ul style="list-style-type: none"><li>Implemented profile locks for Prime Video on Echo Show devices.</li><li><b>Technology:</b> React Native, TypeScript</li></ul>  | New York, NY<br><i>May 2023 - Aug 2023</i> |
| <i>Software Dev Engineer Intern</i> <ul style="list-style-type: none"><li>Developed a full-stack system to publish announcements in scorecards used by delivery service partners (DSPs).</li><li><b>Technology:</b> React/Redux, TypeScript, Redux Saga, DyanmoDB, Java Spring</li></ul>  | <i>May 2022 - Jul 2022</i>                 |
| <b>North Carolina State University</b><br><i>Graduate Teaching Assistant</i> <ul style="list-style-type: none"><li>TA (with 2 others) for 149 students for a graduate Automated Software Engineering course.</li><li>TA (with 4 others) for 289 students for a graduate Software Engineering course.</li></ul>  | Raleigh, NC<br><i>Aug 2023 - May 2024</i>  |
| <i>Graduate Teaching Assistant</i> <ul style="list-style-type: none"><li>TA (with 3 others) for 97 students for a graduate Automated Software Engineering course.</li><li>TA (with 4 others) for 233 students for a graduate Software Engineering course.</li></ul>   | <i>Aug 2022 - May 2023</i>                 |
| <i>Graduate Research Assistant</i> <ul style="list-style-type: none"><li><b>Better, faster deep learning for SE:</b> Improved defect prediction by up to 123% (F-1 score), code smell detection by up to 30% (AUC)</li><li><b>Semi-supervised learning:</b> Achieved state-of-the-art results on static code warnings analysis using 10% of the labels.</li></ul> | <i>Jan 2020 - May 2022</i>                 |

## HONORS AND AWARDS

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Google Cloud Research Innovator, Feb 2022

Google Cloud Champion Innovator, Oct 2022

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

Google Cloud Research Innovators Mentor, Dec 2022

## RELEVANT PROJECTS

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| <b>Programmable Resumes</b><br><i>Python</i><br>Developed a specification and implementation for modular, customizable resumes with support for two popular LaTeX templates. | Aug 2023 - Present<br><a href="#">GitHub</a>  |
| <b>pysh</b><br><i>C++, TMLanguage</i><br>Developed a superset of Python that allows running Shell code natively, with a VS Code syntax highlighting extension.               | May 2021 - Present<br><a href="#">GitHub</a>  |
| <b>Threaded Discussions Website</b><br><i>MongoDB, Node.js, React</i>  | Feb 2021 - Jun 2021<br><a href="#">GitHub</a> |

Companion website for video calls that allows for Reddit-style, threaded discussions.

**NearConnect**

*iOS, SwiftUI*

iOS app to connect with people nearby using multicast peer-to-peer connections.

Nov 2020 - Mar 2021

[GitHub](#) :: [App Store](#)

**JournalBear**

*JavaScript, Electron*

Cross-platform journal application with AES-256 encryption. Rated 4/5 by Softpedia.

Jan 2017 - Feb 2019

[GitHub](#) :: [Softpedia](#)

## SKILLS

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**Languages:** Python, TypeScript, Java, C++

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

**Databases:** MySQL, MongoDB, DynamoDB