

## EDUCATION

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**North Carolina State University**  
*Ph.D. Computer Science - GPA: 3.9/4.0*

Raleigh, NC  
*Aug. 2019 – Present*

**PES University**  
*B.E. Computer Science - GPA: 7.9/10.0*

Bangalore, India  
*Aug. 2015 – May 2019*

## EMPLOYMENT

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**Amazon**  
*Software Dev Engineer Intern*

Bellevue, WA  
*May 2022 – Jul 2022*

- Worked on publishing announcements in scorecards used by delivery service partners (DSPs).
- **Technology:** React, Redux Saga, AWS (ECS, DynamoDB), Java

**North Carolina State University**  
*Graduate Research Assistant*

Raleigh, NC  
*Jan. 2020 – May 2022*

- Better, faster deep learning for software engineering; V&V for AI systems; reuse in SE

*Graduate Teaching Assistant*

*Aug. 2019 – Jan. 2020*

- Held office hours for 54 undergraduate students and delivered lectures on C++.

**Indian Institute of Astrophysics**  
*Research Intern*

Bangalore, India  
*Jul. 2018 - Mar. 2019*

- **Image denoising:** Worked on image restoration of globular clusters using convolutional neural networks.
- **Research:** Proposed novel adaptive learning rate scheme for deep neural networks.

## HONORS

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**2022**, Google Cloud Research Innovator

## RELEVANT PROJECTS

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**RateMyProgram.org**  
*React, MongoDB, Sass, Azure*

Apr 2022 – Present  
[GitHub](#) :: [Website](#)

Website to rate and view ratings of graduate school programs.

**Reddit Timer**  
*React, Styled Components, Sass*

Apr. 2021 – Present  
[GitHub](#)

Website to help marketing teams time posts on Reddit for maximum attention.

**SendToFuture**  
*iOS, Swift*

Apr. 2021 – May 2021  
[GitHub](#)

iOS app to “snooze” links for a few hours.

**Threaded Discussions Website**  
*MongoDB, Node.js, React*

Feb. 2021 – June 2021  
[GitHub](#)

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

**NearConnect**  
*iOS, Swift*

Nov. 2020 – Mar. 2021  
[GitHub](#) :: [App Store](#)

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

**JournalBear**  
*JavaScript, Electron*

Jun. 2017 – Feb. 2019  
[GitHub](#) :: [Softpedia](#)

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

**Results Scraper**  
*MongoDB, Express, React, Node.js*

Mar. 2018 – Aug. 2018  
[GitHub](#)

Website for scraping university examination results and displaying charts and printable reports, with caching using a database.

### **Video Sharing Website**

Oct. 2017 – Dec. 2017

*MySQL, Express, React, Node.js, Sass, Elasticsearch*

[GitHub](#)

Simplified implementation of a video-sharing website with subscriptions and custom searching.

### **Xtreme Calculations**

Apr. 2013 – Oct. 2017

*VB.NET, Python*

[Softpedia](#)

Windows math software to solve scientific and mathematical problems, with over 30,000 downloads over multiple sites.

### **Video Indexer**

Jun. 2017 – Sep. 2017

*C++, Qt, CMUSphinx*

[GitHub](#)

Cross-platform desktop application to detect the time(s) a given keyword was spoken in a given video.

### **Web development projects**

Jan. 2017 – Nov. 2017

*MongoDB, Express, React, Node.js, D3, Sass*

[GitHub](#)

Projects include URL shortener, rogue-like dungeon crawler game, voting application, Simon game, land surface temperature heatmap, and mapping meteorite impacts across the globe.

## SKILLS

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

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

**Databases:** SQL, MongoDB, DynamoDB