

EDUCATION

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: 3.2/4.0

Bangalore, India
Aug. 2015 – May 2019

EMPLOYMENT

North Carolina State University
Graduate Research Assistant

Raleigh, NC
Jan. 2020 – Present

- Better, faster deep learning for software engineering
- V&V for AI systems
- Reuse in software engineering
- Automated microservice partitioning

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.

PROJECTS

Reddit Timer
React, Styled Components, Sass

Apr. 2021 – Present
[GitHub](#)

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

Threaded Discussions Website
MongoDB, Node.js, React

Feb. 2021 – Present
[GitHub](#)

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

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

Oct. 2017 – Dec. 2017
[GitHub](#)

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

Web development projects
MongoDB, Express, React, Node.js, D3, Sass

Jan. 2017 – Nov. 2017
[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

Languages: Python, JavaScript, C++, Swift, VB.NET

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

Databases: SQL, MongoDB