



# Raghavendra Pranith Koppula

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## EDUCATION

### UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | 05/2023

**Majors:** Bachelor of Science, Computer Science | Bachelor of Arts, Political Science

**GPA:** 3.58/4.00

**Clubs:** CS+SG, WebDev Carolina, Developers Club

*Relevant Coursework:* Data Structures, Object Oriented Programming, Web Development (MVC, Observer), System Fundamentals, Discrete Structures, Computer Organization and Architecture, Database Design, Models of Languages and Computation, Data Science in Business, Programming Language Concepts

## EXPERIENCE

### JOB | COMPUTER SCIENCE LEARNING ASSISTANT | JANUARY 2021 - PRESENT

- Managed grading student work, planning course material, monitoring forums, answering student questions, holding office hours, and meeting with team of 7.
- Supervised a cohort of 15 students and coached students to improve understanding of material and improve overall grade.

### INTERNSHIP | NCINO | DEVOPS ENGINEERING INTERN | JUNE 2021 – AUGUST 2021

- Implemented scanning tool through GitHub Actions to unveil security vulnerabilities and reduce dependency installation from 30 minutes to 30 seconds.
- Migrated Repositories from CircleCI to CodeBuild in AWS to decrease costs by a factor of 10 and increased build reliability and efficiency.
- Detected major bug, whereby file-naming inconsistencies caused test failures. Resolved the bug to help 3 teams across the organization.
- Stimulated project to track and visualize projects in the nCino organization. Demonstrated work to team of 14 and cross-team employees and attained excellent feedback.

### INTERNSHIP | CENTENE | SOFTWARE ENGINEERING INTERN | MAY 2020 – AUGUST 2020

- Assisted in incorporating additional functionality to Rules UI project through scrum and agile methodologies, containerization in docker, designing MongoDB databases, and developing web apps using Angular.
- Created reusable components and cypress testing scripts to lessen code and save weekly UAT testing resources.
- Accelerated validation and updates to data, allowing customer to move away from manually generated spread sheets, and save time from 12 weeks per authorization, to 2-3 hours.
- Presented work to around 50 people consisting of current interns and leadership and received great feedback on overall performance and work.

## PROJECTS

### PERSONAL | CS + SG FULL STACK DEVELOPER

- Engineered a web application to track customer canvassing efforts for annual fundraising initiatives and reduce planning time from 1-2 weeks to 2-4 days.
- Utilized React and Firebase to build auto updating dashboards, history/logging changes, and role-based authentication.
- Collaborated with team of 12 to showcase work and spent around 160 of volunteer hours to develop the application.

### SCHOOL | BUSINESS SCHOOL DATA SCIENCE PROJECTS

- Analyzed data using various techniques such as market basket analysis, clustering products, analyzing co-occurrence, to increasing profit margins of customer by 10%.
- Evaluated Big Data spanning 1,000,000 or more observations, and instituted machine learning algorithms like Random Forest, Linear Regression.
- Co-ordinated team with tasks, accumulated analysis on Google Collab, and promoted work to the class.

### PERSONAL | HEEL TIPS FULL STACK WEB APP

- Structured app using Angular, MongoDB and Node.js for RESTful API routes and CRUD operations.
- Launched the app with 2 weeks of development and initially gained approximately 100 impressions.
- Deployed the app to [Heroku](https://heroku.com). Email: [test@heel-tips.com](mailto:test@heel-tips.com). Password: test. Hosted on [GitHub](https://github.com).

## ADDITIONAL

**Software/Technologies:** Proficient in Java Script, Java, Python (Pandas, Matplotlib, scikit-learn). Intermediate knowledge in JavaFX and Swing programming. Advanced knowledge in HTML, CSS, and Bootstrap, Git. Advanced knowledge in Angular, React, NodeJS, and MongoDB. Intermediate knowledge in C, SQL. Proficient in AutoCAD and Inventor. Intermediate knowledge in Flutter.

**Hobbies:** Watching and playing soccer, reading in general, US and World Politics, listening to music.