

Raghavendra Pranith Koppula

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EDUCATION

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL | MAY 2023

Majors: Bachelor of Science, Computer Science and Political Science

Minor: Data Science

GPA: 3.58/4.00

Clubs: CS+SG, Google Developers Club, Carolina Analytics and Data Science

Relevant Coursework: Data Structures, Object Oriented Programming, Discrete Mathematics, Calculus III, Computer Organization and Architecture, Database Design, Models of Languages and Computation, Linear Algebra, Data Science in Business, Programming Language Concepts, Algorithms and Analysis

EXPERIENCE

COMPUTER SCIENCE LEARNING ASSISTANT

UNC CHAPEL HILL

JAN 2021-PRESENT

- Managed grading student work, answering student questions, holding weekly office hours for 3 hours.
- Supervised a cohort of 15 students and coached students to improve understanding of material and grade.

DEVOPS ENGINEERING INTERN

NCINO

JUNE 2021-AUGUST 2021

- Implemented GitHub Action to 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.
- Detected file-naming inconsistencies that caused test failures and solved the problem to help 3 teams across the organization.
- Demonstrated work to team of 14 and cross-team employees and attained excellent feedback.

SOFTWARE ENGINEERING INTERN

CENTENE

MAY 2020-AUGUST 2020

- Created reusable components and Cypress automated testing scripts to lessen code and save weekly UAT testing resources.
- Accelerated validation and updates to data to 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.

PROJECTS

TECH LEAD

CS+SG CLUB

AUGUST 2020-PRESENT

- Engineered a web application to reduce canvassing effort planning from 1-2 weeks to 2-4 days.
- Utilized React and Google Firebase to build history/logging changes and role-based authentication.
- Collaborated with team of 12 and spent around 160 volunteer hours to develop the application.

BUSINESS SCHOOL DATA SCIENCE PROJECTS

- Analyzed sales data using market-basket analysis and co-occurrence clustering to increase 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, and Natural Language Processing.
- Co-ordinated team of 7 with tasks, accumulated analysis on Google Colab, and promoted work to the class.

HEEL TIPS FULL STACK WEB APPLICATION

- 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](#). Email: test@heel-tips.com. Password: test. Hosted on [GitHub](#).

SKILLS

Software/Technologies: Java, JavaScript, Python (Pandas, Matplotlib, scikit-learn), HTML, CSS, Bootstrap, Git, Angular, React, Node.js, MongoDB, Firebase, C, SQL, TypeScript, Stata, AWS (CodeBuild, KMS, SecretsManager).

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