

<Raghavendra Koppula/>

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// Education

University of North Carolina at Chapel Hill { May 2023 }

Majors: Computer Science and Political Science { Bachelors of Science (BSC) }

Minor: Data Science

GPA: 3.59

Relevant Coursework { Algorithms, Machine Learning, Systems Programming, Advanced Statistics }

// Experience

Software Engineering Intern (**Google**) { September 2022 - December 2022 }

- Android Bluetooth Team, implemented backend automation pipeline using Java.
- Gathering 350,000+ data points, drafted 4+ SQL schema designs.
- Created 2 front-end UI components using Angular for easy access of data.
- Documented major features and architectural details in 4+ documents
- Presented work to team of 30+ and recieved great feedback.

Software Engineering Intern (**Capital One**) { June 2022 - August 2022 }

- Built admin dashboard using Vue.js and Java SpringBoot to centralize 500+ data points.
- Implemented Longest Increasing Subsequence algorithm to improve performance from 52.89ms to .241ms.
- Wrote unit and end-to-end tests using jest and cypress to increase code coverage to 94%
- Designed caching layer to store API response and save 9 seconds of load time.
- Configured Nginx and routed to EC2 with loading balancing in AWS.
- Presented work to 200+ colleagues.

DevOps Engineering Intern (**Ncino**) { June 2021 - August 2021 }

- Implemented GitHub action to reduce dependency install time from 30 minutes to 30 seconds.
- Migrated repositories to CodeBuild in AWS to decrease costs by a factor of 10.
- Detected file-naming bug that caused test failures. Solved the problem to help 3+ teams.

Software Engineering Intern (**Centene**) { May 2020 - August 2020 }

- Created 2 reusable components in Angular, and wrote cypress automation testing scripts.
- Accelerated validation and updates reducing time per authorization from 12 weeks to 2 hrs.

// Projects

Tech Lead (**CS+SG Club**) { August 2020 - August 2022 }

- Led and managed team of 12 and spent around 400 volunteer hours.
- Engineered web application to reduce canvassing efforts from 2 weeks to 1 day.
- Utilized React.js and Google Firebase to build role-based authentication and dashboards.

Brain Tumor Prediction (**Personal**) { Spring 2023 }

- Built a brain tumor imaging model to predict 4 types brain tumors.
- Utilized tensorflow and python to built custom assymetric loss model and achieved overall accuracy of 91.1%

// Skills

Software/Technologies: Java, JavaScript, Python, HTML, CSS, Bootstrap, Git, Angular, React, Node.js, MongoDB, Firebase, C, C++, SQL, TypeScript, Stata, R, AWS, SpringBoot, Vue.js, Next.js, TensorFlow, PyTorch