

# SRIYA RAO MACHUNURI

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## EDUCATION

### University of North Carolina at Charlotte

May 2024

Bachelor of Science in Computer Science, Concentration in Data Science, Minor in Mathematics

GPA: 3.7/4.0 Chancellors List (Fall 2021 - Fall 2022), Deans List (Spring 2023 - Spring 2024)

## RELEVANT COURSEWORK

- Data Structures
- Software Engineering
- Computer Architecture
- Operating Systems
- Logic and Algorithms
- Database Management
- Machine Learning
- Cloud Computing

## EXPERIENCE

### Full Stack Software Engineer

June 2024 – Present

Fidelity Investments

Durham, NC

- Part of a 20 week career development program designed full stack new grads
- Built core software engineering skills in **web** and **application development** and gained a broad knowledge of key components in the end-to-end build experience

### Full Stack Software Engineer Intern

June 2023 – Aug 2023

Fidelity Investments

Durham, NC

- Developed a company portal web application using **Angular**, **HTML/CSS** and **Bootstrap**.
- Implemented **RestAPI** calls to handle data management and processing.
- Created **Java APIs** to establish communication between front-end and back-end components utilizing **OracleDB**.
- Operated in an **Agile** environment consisting of biweekly sprints.
- Worked with Product and Technology teams to ensure successful completion of projects

### Computer Science Teaching Assistant

August 2022 – May 2023

University of North Carolina at Charlotte

Charlotte, NC

- Teaching Assistant for **two courses**: Java Object Oriented Programming I and Computing Professionals.
- Grading over 50+ students' projects on various learning topics revolved around **Object Oriented Programming** and the computer science industry.
- Hosting office hours 2 times a week, for each class, to clarify questions and also serving as a form of guidance.
- **Collaborated** with a group of 3 teaching assistants and the professor to create better tools and resources for students.

### Mathematics Teaching Assistant

January 2022 – May 2022

University of North Carolina at Charlotte

Charlotte, NC

- Hosted office hours 3 times a week to clarify questions and also serve as a form of guidance.
- Graded assignments to understand what the class is retaining and **adapted** tutoring methods based on student feedback.
- Met individually and in small groups with students that struggled with a certain topic or section of material.
- **Lead** review and study sessions before and after each exam, with a **30 percent** increase in student test **results**.

## PROJECTS

### NormChat | Python

2024

- an AI chatbot built with **Python**, **React**, **Firebase**, and **OpenAI APIs** to extract data from the UNC Charlotte website and provide students with quick information based on their queries.
- Implemented secure email login and AI-driven responses to streamline navigation on outdated university website.

### NinerNav | Python

2023

- An application featuring 360-degree photos across campus, mapped to appear in a virtual 3D space. Players guess photo locations on a map, earning more points for closer guesses.
- Built in **Python** using **HTML/CSS**, **Bootstrap**, **SQL**, and **Flask**.

### Study Spot | HTML/CSS, Java Script

2023

- A web application built with **JavaScript** and designed on **HTML/CSS** and **Bootstrap** to serve as a virtual study site to encourage and boost productivity, with a **94 percent** student **rating**.
- Contains a task list, timer, and music to help stimulate and boost work ethic.

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Kotlin, LaTeX

**Developer Tools:** Angular, Git, Jira, RestAPI, NodeJS, Spring Boot, Bootstrap

**Technologies/Frameworks:** Windows, Linux, GitHub, MySQL, TensorFlow/Keras, Flask