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
- Logic and Algorithms
- Software Engineering
- Database Management
- Computer Architecture
- Machine Learning
- Operating Systems
- 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

SafePath | *Python, React* **2024**

- Worked with a team of 3 students to create an **AI-powered** application designed to predict natural disasters and provide real-time safe route navigation for users in affected areas.
- Built in **Python**, **React**, **Google Maps/Weather APIs**, and **Keras**.

NormChat | *Python, React* **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, React* **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**.

TECHNICAL SKILLS

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

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

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