

# Arya Rao

aryarao123@gmail.com | (984) 232-9316 | [www.linkedin.com/in/arya-rao](https://www.linkedin.com/in/arya-rao) | <https://avrao2.github.io/webdev/>

## EDUCATION

**University of North Carolina at Chapel Hill** | Chapel Hill, NC *Expected Graduation 05/2025*  
B.S. Computer Science and Statistics, Information Systems Minor | GPA 3.77

- Relevant Coursework:** Data Structures, Foundations of Programming, Methods of Data Analysis, Introduction to Data Science, Introduction to Machine Learning, Foundations of Software Engineering, Applications of NLP

## TECHNICAL SKILLS

**Languages:** Python, Java, R, C, HTML/CSS, SQL  
**Tools:** Shell Scripting (Linux), Microsoft Power BI, Microsoft SharePoint, GitHub, Jira, AutoSys, Jupyter Notebook  
**Certifications:** Microsoft Office Specialist Word, PowerPoint, Excel, and Access  
Adobe Certified Associate in Graphic Design & Illustration using Adobe Illustrator and InDesign

## WORK EXPERIENCE

**UNC Water Institute**, Chapel Hill, NC *09/2023 - Present*  
*Research Assistant*

- Enhance research on water, sanitation, and hygiene in healthcare facilities by implementing systematic review methodologies and effective data management practices, eventually transitioning into data analytics projects

**Wells Fargo**, Charlotte, NC *06/2023 - 08/2023*  
*Data Engineer Intern*

- Engineered Python programs to monitor storage capacity and collect activity for 300+ Essbase applications, improving efficiency by stopping inactive applications
- Created insightful Microsoft Power BI reports to visualize application usage trends over time
- Implemented supporting shell scripts for merging and deletion of output files, aiding data organization
- Automated data collection by scheduling Python programs and shell scripts using AutoSys
- Collaborated effectively in an Agile Scrum team, utilizing Jira for project planning and sprint execution
- Gained insights into report planning and communication strategies by shadowing a Project Manager

**Juni Learning**, Remote | **Zaniac**, Cary, NC *07/2022 - 06/2023 | 08/2019 - 08/2021*  
*STEM Instructor*

- Taught elementary school-aged students three times a week math and computer science lessons utilizing Scratch and Python that were tailored to their grade level and required creative problem-solving skills

**North Carolina State University Game2Learn Lab**, Remote *06/2020 - 07/2020*  
*Computer Science Intern*

- Applied computer science principles through block-based programming to design educational tools for K-12 classes
- Provided support for teachers of non-computing courses in creating computing-infused curriculum using Snap!

## CO-CURRICULAR ACTIVITIES

**Product Management Club**, Chapel Hill, NC *02/2023 - Present*  
*Project Manager*

- Lead and collaborate with a team of UNC students to research and address specific problem spaces of a company
- Develop a prototype utilizing Figma and deliver a pitch to company leaders that communicates the team's solution

**Kappa Theta Pi**, Chapel Hill, NC *08/2023 - Present*  
*Co-Rush Director*

- Design and execute innovative recruitment events to encourage UNC students to join Kappa Theta Pi, a professional technology organization, while incorporating inclusive practices to foster a welcoming community

**NrityaMāyāNanda School of Arts**, Morrisville, NC *10/2015 - Present*  
*Assistant Instructor; Student*

- Choreograph and perform Kathak, a form of Indian classical dance, for charities and local events
- Prepared and taught curriculum to students twice a week for a Kathak Certification exam (02/2022 - 06/2023)

## PROJECTS

**Green Glamour** - Pearl Hacks, a hackathon hosted by UNC Chapel Hill for female and non-binary students *02/2023*

- Created a sustainable beauty app and website using SwiftUI, HTML, and CSS aimed towards providing consumers sustainable options for makeup products: <https://devpost.com/software/green-glamour>
- Winner of Pearl Hacks and Liberty Mutual Insurance: "Sustainability is Key" challenge against over 40 other teams