

# Rahul Chari

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## Education

### University of Florida

Computer Science, B.S. - GPA: 4.0

Gainesville, FL

Expected Spring 2024

### Kyoto University

Cross Cultural Engineering Program - GPA: 4.0

Kyoto, Japan

Summer 2022

## Professional Experience

### Deloitte & Touche LLP | Cyber and Strategic Risk Intern

Atlanta, GA | Summer 2023

- Conducted thorough research on cybersecurity vulnerabilities, specifically focusing on risks related to design weaknesses such as outdated network protocols, unpatched systems, and misconfigured servers to assess client's current internal controls
- Created reports evaluating the compliance of client's cybersecurity measures with the NIST Special Publication 800-53 Rev. 5 and HIPAA requirements with recommendations to remedy unmet standards
- Developed NIST-compliant internal controls assessment for client's generative AI models

### University of Florida | Undergraduate Teaching Assistant

Gainesville, FL | Fall 2021 - pres.

- Led weekly lab discussions of ~40 students in Operating Systems & SWE courses, reinforcing students' understanding of lecture material and providing insights on upcoming coursework
- Hosted office hours to resolve programming issues and receive course feedback
- Leveraged browser plugins to automate grading and detect academic integrity violations

### Trimble Inc. | Software Engineering Intern

Remote | Summer 2021

- Optimized server routing and health monitoring for services running end-to-end testing in the e-Builder product's automation framework, minimizing testing time by ~27% overall
- Integrated the e-Builder web application with Gainsight product analytics software to record UX data
- Designed and automated PowerShell scripts to generate code coverage reports of legacy code

### University of Florida | Research Assistant

Gainesville, FL | Fall 2020 - Fall 2021

- Utilized Blender software and proprietary plugins to build an interactive user interface that emulates a surgical environment under various operating conditions
- Developed anatomical models and fine object meshes to optimize theoretical behavior in simulations
- Implemented Python scripting in models' build phases to facilitate project development and workflow

## Projects

### Rahulio Chatbot | scikit-learn, PyTorch, Hugging Face, Discord API

Spring 2023 - pres.

- Trained GPT-2 conversational chatbot using personal text message data and DialogGPT model to respond to direct messages resembling me
- Deployed and externally hosted chatbot with 24/7 availability on Discord platform

### Eat Money | Python, Kivy, PyPi, CalorieNinjas API

Summer 2022 - Fall 2022

- Created interactive mobile and desktop application using KivyMD for travelers to easily track their food spending and nutrition while abroad using natural language processing queries
- Formally showcased application to Kyoto University students and staff for beta testing and feedback

### TEKKEN Frame Data Visualizer | Python, Tkinter, T7 Community API

Spring 2021 - Spring 2022

- Utilized in-game character data to develop a user interface presenting frame data statistics under different conditions for the video game TEKKEN 7
- Voted 1st place for Best Project at UF's Spring 2021 DSA project competition

## Skills

**Languages:** Python, Java, Kotlin, Rust, C, C++, JavaScript, TypeScript, SQL

**Libraries/Frameworks:** ASP.NET, Angular, React, Express, scikit-learn, PyTorch, TensorFlow

**Technologies:** AWS, Kubernetes, NodeJS, Firebase, Hugging Face, Jenkins, Jira, Git

**Relevant Coursework:** Data Structures and Algorithms, Software Security, Applications of Machine Learning