

Rahul Chari

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EDUCATION

University of Florida

Computer Science, B.S. - GPA: 4.0

Gainesville, FL

Graduated Spring 2024

Kyoto University

Cross Cultural Engineering Program - GPA: 4.0

Kyoto, Japan

Completed 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thorough research on cybersecurity vulnerabilities, specifically focusing on risks related to design weaknesses such as outdated network protocols, unpatched systems, and misconfigured servers to assess client's current internal controls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 proprietary AI models

University of Florida | *Undergraduate Teaching Assistant*

Gainesville, FL | Fall 2021 - Spring 2024

- As lead teaching assistant, directed other TAs to facilitate course content regarding full stack web development and Linux kernel fundamentals, respectively, in classes of 400+ students
- Led weekly lab discussions of ~40 students in Operating Systems & SWE courses, reinforcing students' understanding of lecture material and providing insights on upcoming coursework
- 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

Prevent Overdose Inc. | *MERN Stack, Netlify, Render*

Spring 2024 - Present

- Hired and directed team of three software developers in building the website for nonprofit Prevent Overdose Inc., an national organization dedicated to the equitable distribution of Narcan
- Distributed propriety SMS services to clinics to report overdoses and request Narcan

AdapTree | *Django, React, PostgreSQL, OpenAI API*

Fall 2023 - Spring 2024

- Developed a web app using generative AI to create a dashboard featuring tailored interdisciplinary learning pathways which intertwine users' academic background and personal interests
- Secured finalist position among 450+ participants at 2023 University of Florida AI Days Hackathon

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

SKILLS

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

Libraries/Frameworks: ASP.NET, React, Django, scikit-learn, PyTorch, TensorFlow

Technologies: Git, AWS, MERN Stack, Firebase, Hugging Face, Jenkins, Jira, Render, Netlify, Linux kernel

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