Rahul Chari

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EDUCATION

University of Florida   Gainesville, FL
Computer Science, B.S. - GPA: 4.0   *Expected Spring 2024*

Kyoto University   Kyoto, Japan
Cross Cultural Engineering Program - GPA: 4.0   *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thorough research on cybersecurity vulnerabilities, specifically focusing on risks related to design weaknesses such as outdated network protocols, unpatched systems, and misconfigured servers to assess client's current internal controls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 - Present*
- 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

AdapTree | *Django, React, PostgreSQL, OpenAI API*   *Fall 2023*
- Developed a web app using generative AI to create a dashboard featuring tailored interdisciplinary learning pathways whicintertwine 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

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, React, Django, 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