

SHREENANDAN RAJARATHNAM

Expertise: Data Protection & Privacy, Information Governance, IT Risk Reporting, Cloud Security, and User Experience (UX)

Email: srajarat@tennessee.edu

Mobile: Available on request

LinkedIn: www.linkedin.com/in/shreenandan/

Education

| | |
|---------------------------------------------------------------------------------------|-------------------------|
| University of Tennessee, Knoxville (UTK) | (Expected) 2025 |
| PhD in Information Science (Research Areas: Cybersecurity & User Experience (UX)) | GPA: 3.98 / 4.00 |
| University of Illinois at Urbana-Champaign (UIUC) | Dec 2018 |
| MS in Information Management (Specialized Pathway: Privacy, Trust, Security & Ethics) | GPA: 3.75 / 4.00 |
| P.E.S. Institute of Technology, Bangalore, Karnataka, India | June 2016 |
| Bachelor of Engineering in Computer Science and Engineering | |

Professional Experience

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| University of Tennessee, Knoxville (UTK) | Aug 2022 - Present |
| Graduate Teaching Associate (GTA) | |
| <ul style="list-style-type: none">Primary instructor, Internet & Society (<i>INSC 305</i>), Fall 2024Primary instructor, Foundations of User Experience (<i>INSC 430</i>), Fall 2023 & Spring 2024Secondary instructor (under Dr. Bradley Wade Bishop), Foundations of User Experience (<i>INSC 430</i>), Spring 2023 | |
| PricewaterhouseCoopers (PwC) Advisory Services LLC, Atlanta, GA | Feb 2019 - Dec 2021 |
| Senior Associate - Cybersecurity & Privacy (Client: Fortune 500 Financial Services Company) | |
| <ul style="list-style-type: none">Managed components of multiple client engagements primarily focusing on developing sensitive data management programs and implementing roadmaps based on leading cybersecurity standards & frameworks | |
| Associate - Cybersecurity & Privacy (Client: Fortune 500 Financial Services Company) | |
| <ul style="list-style-type: none">Supported multiple client engagements primarily focusing on developing sensitive data management programs | |
| Embnology Solutions Pvt. Ltd., Bengaluru, India | Aug - Dec 2017 |
| Information Security Specialist Intern (Client: Multiple Educational Institutions in Southern India) | |
| <ul style="list-style-type: none">Implemented a data protection scheme for School Attendance Management Systems | |
| Business Intelligence Group (BIG), University of Illinois at Urbana-Champaign | July 2018, |
| Consultant (Client: Alumni Association based in Chicago, affiliated to UIUC) | April 2022 |
| <ul style="list-style-type: none">Developed strategies to improve alumni engagement using data analytics, primary research, and website analysis | |

Projects

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Systematic Literature Review of Research in Cybersecurity & User Experience | Aug 2022 - Present |
| University of Tennessee, Knoxville | |
| <ul style="list-style-type: none">Performed a systematic literature review of scholarly research on the convergence of Cybersecurity and UX fields. The resulting paper from this study is currently in-review and potentially submitted to SOUPS 2024 conference. | |
| Pilot Study to Assess an Organization's Cybersecurity User Experience (UX) | Aug 2022 - Present |
| University of Tennessee, Knoxville (Client: A Construction & Manufacturing Company, TN) | |
| <ul style="list-style-type: none">Successfully completed the Institutional Review Board (IRB) process and the first round of data collection through surveys for a local organization. The pilot study is anticipated to conclude in Spring 2024 and the findings submitted to a suitable conference in 2024 | |
| FFIEC Gaps Resolution Support 2020-2021 | Feb 2020 - Dec 2021 |
| PwC (Client: Fortune 500 Financial Services Company) | |
| <ul style="list-style-type: none">Supported the client in tracking and remediation of gaps resulting from a recent FFIEC readiness assessment. Remediation efforts involved review & enhancement of 3+ policies & standards, creation of 5+ procedures, and development & testing of 25+ security controls for the organization's Sensitive Data Management (SDM) function | |
| Sensitive Data Management (SDM) Remediation Support 2019 | July 2019 - Feb 2020 |
| PwC (Client: Fortune 500 Financial Services Company) | |

- Supported the client in their Sensitive Data Management (SDM) efforts, specifically Structured Data Remediation in response to audit finding(s). The efforts involved providing advisory support, tracking and reporting the remediation progress, and documenting the remediation process for the identified sensitive data elements

Cloud Data Governance (CDG) Support 2019

April - June 2019

PwC (Client: Fortune 500 Financial Services Company)

- Assisted the client to build Cloud Data Governance (CDG) framework, including 25+ data governance controls aligned to NIST Cybersecurity Framework, FFIEC Cloud Computing Guidance, CSA Cloud Control Matrix, other industry frameworks and a decision model to assess the maturity of each of the controls. The efforts also included developing 5+ business processes to help the CDG team manage sensitive data in their cloud environment(s)

Scholarly Publications & Presentations

Poster: A Template for developing NIST CSF Profiles (with Professor Vandana Singh), 44th IEEE Symposium on Security and Privacy (S&P), San Francisco, CA ([link](#))

May 2023

Professional Development & Certifications

Google UX Design Professional

March 2023

UTK Center for the Integration of Research, Teaching, and Learning (CIRTL) Associate

November 2022

Microsoft Certified: Azure Fundamentals

April 2021

EC-Council Certified Ethical Hacker (CEH)

June 2017

Volunteering Activities & Achievements

- Vice President, Graduate Student Association, School of Information Sciences (CCI, UTK) Aug 2023 - Present
- Member, SIS Full-time Faculty Search Committee (CCI, UTK) Aug 2023 - May 2024
- Member, Diversity, Equity, and Inclusion (DEI) Committee (CCI, UTK) Aug 2022 - May 2023
- Global Leaders: Orange and Blue Engagement (GLOBE) Award for Group Leadership (UIUC) April 2018
- Team Leader, iEngage volunteering trip to assist Keep Indianapolis Beautiful, Inc. (UIUC) March 2018
- Member, Advisory Committee, Asian American Cultural Center (AACC, UIUC) Sep 2017 - May 2018