

SHREENANDAN RAJARATHNAM

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

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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, Foundations of User Experience (<i>INSC 430</i>), <i>Fall 2023, Spring 2024, Spring 2025, and Fall 2025</i>Primary instructor, Internet & Society (<i>INSC 305</i>), <i>Fall 2024</i>Collaborated with multiple scholars on research projects involving the application of AI in Information Science	
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	July 2018, April 2022
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	Aug - Dec 2017
Consultant (Client: Alumni Association based in Chicago, affiliated to UIUC)	
<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

Systematic Literature Review of Cybersecurity and User Experience, 4th IEEE Cyber Awareness and Research Symposium, Grand Forks, ND ([link](#)) October 2024

Poster: A Template for developing NIST CSF Profiles, 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