

DEEPTI SINGH

Phone: (404) 747-3049
deeptisingh@mail.usf.edu

Tampa, FL 33620
www.deeptisingh.info

Research Specialization in Health Information Technology, Text Mining, Computational Linguistics, Econometrics. My current research is focused on malpractice claims and effect of health IT policy with a focus on physician outcomes. Another stream of research focuses on physician decision making based on socio-economic factors, which in turn affect health outcomes. Other notable research explored Health Information Exchanges, their role in attenuating cost burden and quality challenges, and understanding mechanisms through which they can be successfully incorporated into healthcare routines for community welfare. My research encompasses privacy issues, IT-adoption impediments and cyber-vulnerabilities in the evolving landscape of Health Informatics. Subsequently, my research continues to focus on technological innovation, adoption, diffusion, use and outcomes in Healthcare.

EDUCATION

PhD	Business Administration, Information Systems Muma College, University of South Florida	2021 (Expected)
MA	Economics University of South Florida	July 2019
MS	Informatics University of Delhi, India	May 2004
BS	Physics (Honors) University of Delhi, India	May 2002

CERTIFICATIONS

Machine Learning Stanford University [Online]	2016
---	------

TEACHING EXPERIENCE

University of South Florida, FL, USA Graduate Teaching Assistant, ISDS Department	Aug 2018 to May 2019
<ul style="list-style-type: none">• <i>Dr. Manish Agrawal (Supervisor)</i>• Taught “Information Security and IT Risk Management”, an undergraduate course averaging 30 students per semester, covering the following topics: cybersecurity, cryptography, risk assessment, Linux• Developed quizzes, lab exercises, exams, and homework assignments	

- Revised the syllabus to meet accreditation standards
- Coordinated grading and labs

University of South Florida, FL, USA
Teaching Associate, ISDS Department

Aug 2018 to Dec 2018

- *Dr. Shivendu Shivendu (Instructor & Supervisor)*
- Assisted in “Econometrics for Applied Research”, a graduate course averaging 20 students per semester, covering advanced econometric methods used in information systems research.
- Developed syllabus, course materials, and homework assignments

PUBLICATIONS

Research Papers in Progress

Singh, D., & Shivendu, S. (2019). “Drawing Double-Edged Sword of Health IT Against Medical Malpractice Claims”

Targeting: Information Systems Research (ISR)

Cameron K., & Singh, D. (2019). “Accounting for the Patient in Data-Driven Physician Decision Support Systems”

Targeting: Management Information Systems Quarterly (MISQ)

Singh, D. (2019). “Structure and Viability of Health Information Exchanges”

Targeting: Journal of the American Medical Informatics Association

Conference Papers

Singh, D., & Shivendu, S. (2019). “How Does Health IT Impact Malpractice Claims?” Americas Conference on Information Systems (AMCIS).

Cameron K., & Singh, D. (2019). “Accounting for the Patient in Data-Driven Physician Decision Support Systems” Decision Sciences Institute (DSI) Annual Conference.

Singh, D., Syed, R. A., Agrawal, M. (2017). “Detecting Error Proneness and Error Resistance of Information”, Secure Knowledge Management (SKM) Workshop.

PRESENTATIONS AND WORKSHOPS

Paper Presentation, “How does Health IT impact malpractice claims?” Americas Conference on Information Systems (AMCIS), Cancun [Mexico] on August 14, 2019.

Presentation, “How does Health IT impact malpractice claims?” Production and Operations Management Society (POMS) Conference, Washington DC on May 4, 2019.

Workshop, “Detecting Error Proneness and Error Resistance of Information,” Secure Knowledge Management Workshop, Florida, Oct 6, 2017.

INDUSTRY EXPERIENCE

Around 9 years of IT Technical and Managerial Industry experience at multiple locations in India, US, and China. Rich experience in project management and software development life cycle along with transition and risk management during field deployments. Strong ability in team skill-set development through industry-based training and gap-based learning programs. Conducted several project-based training sessions and learning centers.

Worked as **Engineering Project Manager** for Management Plane Team of next generation platform for Cisco Packet Optical Transport Network Solution

Worked as **Technical Lead** in Cisco Session Border Controller (SBC) handling feature enhancements, third party engagement and customer escalations

Worked as **Senior Software Engineer** – CISCO MGX Platform. Developed Call Control features for the Media Gateway

Worked as **Development & Support Engineer** on iFS (Application Server), a node in IMS Multimedia Network (SIP Protocol). Developed and integrated features in the SIP signaling adaptor of iFS along with field deployment support

PROFESSIONAL SERVICE

Student Liaison Officer of WORMS:

- Serving as Student Liaison Officer in the Forum for Women in OR/MS (WORMS) of the Institute for Operations Research and the Management Sciences (INFORMS) starting Jan 2020.

Peer-Reviewed Articles for:

- Information Technology and Management Journal
- AMCIS Conference 2019
- European Conference on Information Systems (ECIS 2020)

LANGUAGES

English: Distinguished levels in Listening, Speaking, Reading and Writing

Hindi: Native Language

COMPUTER SKILLS

Programming: R, Python, C

Applications: SAS, STATA, SPSS

Platforms: Windows, UNIX/Linux

OTHER INTERESTS

- Enjoy playing chess and started a weekend chess club for the kids in my community
- Previously volunteered to teach under-privileged kids in India
- Currently teaching myself to play piano

REFERENCES

Provided on request.