PARAS BHATT

Department of Information Systems, Supply Chain and Analytics
College of Business, The University of Alabama in Huntsville
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EDUCATION

Ph.D. Information Technology   2023
  Department of Information Systems and Cyber Security
  The University of Texas at San Antonio, USA

MS. Computer Information Systems   2019
  Department of Computer Information Systems
  Prairie View A&M University – Texas, USA

MBA Marketing and IT   2015
  BPIBS, Govt. of Delhi, GGSIP University - New Delhi, India

BBA International Business   2013
  IMED, BVP University - Pune, India

RESEARCH INTERESTS

Domains: Security and privacy; Artificial Intelligence; Social Media; Healthcare IT; Behavioral Cyber Security
Methods: Quantitative analysis, Natural Language Processing (NLP), machine learning and deep learning, text mining, big data analytics

JOURNAL PUBLICATIONS

Bhatt, P., Vemprala, N., Valecha, R., Hariharan, G., & Rao, H. R. (2022). "User Privacy, Surveillance, and Public Health during COVID-19–An Examination of Twitterverse," *Information Systems Frontiers, 1-16*.

Vemprala, N., **Bhatt, P.,** Valecha, R., & Rao, H. R. (2021). "Emotions During the COVID-19 Crisis: A Health Versus Economy Analysis of Public Responses." *American Behavioral Scientist,* 65(14), 1972-1989.

Bhatt, P., Liu, J., Gong, Y., Wang, J., & Guo, Y. (2022). "Emerging Artificial Intelligence–Empowered mHealth: Scoping Review", *JMIR mHealth and uHealth*, 10(6), e35053.

BOOK CHAPTERS

Gupta, D., Bhatt, S., **Bhatt, P**., Gupta, M., & Tosun, A. S. (2021). Game Theory Based Privacy-Preserving Approach for Collaborative Deep Learning in IoT. In *Deep Learning for Security and Privacy Preservation in IoT* (pp. 127-149). Springer, Singapore.

CONFERENCES / WORKSHOPS PRESENTATIONS

Bhatt, P., Vemprala, N., Valecha, R., Hariharan, G., & Rao, H. R. (2023). Great Divisions: The Evolution of Polarization During the Man-made Emergency of January 6, 2021. *In Proceedings of the 56th Hawaii International Conference on System Sciences*.

Alvarez, R., **Bhatt, P**., Zhao, X., & Rios, A. (2022, May). Turning Stocks into Memes: A Dataset for Understanding How Social Communities Can Drive Wall Street. In *Proceedings of the International AAAI Conference on Web and Social Media* (Vol. 16, pp. 1192-1200).

Bhatt, P., Akanfe, O. Guo, Y., and Gong, Y. (2022) Towards a model for inclusive healthcare access post covid-19. *In Proceedings of the 55th Hawaii International Conference on System Sciences.*

Kurumathur, S., **Bhatt, P.,** Valecha, R., Hariharan, G., and Rao, H.R.. Digital Vigilantism and its manifestations in social media discourse. *International Conference on Information Systems (ICIS), 2022.*

Bhatt, P., & Rios, A. (2021, August). Detecting Bot-Generated Text by Characterizing Linguistic Accommodation in Human-Bot Interactions. In *Findings of the Association for Computational Linguistics: ACL-IJCNLP 2021* (pp. 3235-3247).

Bhatt, P., Guo, Y., & Gong, Y. (2021). Discounting Lives: Analyzing the causes of Hispanic Adversity raging in the Healthcare sector during Covid-19 using Cumulative Inequality Theory. In *Proceedings of the 54th Hawaii International Conference on System Sciences* (p. 3982).

Bhatt, P., Vishik, C., Hariharan, G., & Rao, H. R. (2021). To Participate Or Not To Participate: An Investigation Of Strategic Participation In Standards. In *11th International Conference on Standardisation and Innovation in Information Technology (SIIT) - The Past, Present and Future of ICT Standardisation.*

Mandaokar, P., **Bhatt, P**., & Choo, K. K. R. (2021). Investigating formation of collective identity driving the black lives matter movement during COVID-19. In *27th Annual Americas Conference on Information Systems, AMCIS 2021.*

Gupta, D., **Bhatt, P**., & Bhatt, S. (2020, December). A game theoretic analysis for cooperative smart farming. In *2020 IEEE International Conference on Big Data (Big Data)* (pp. 2350-2359). IEEE.

Bhatt, P., Vemprala, N., Valecha, R., & Rao, H. R. (2020). Life vs. livelihood–user privacy during COVID-19 virus communication. In The *2020 Dewald Roode Workshop on Information Systems Security Research, IFIP* WG8.11/WG11.13.

Bhatt, P., Bhatt, S., & Ko, M. (2020, June). Poster: IoT SENTINEL-An ABAC approach against cyber-warfare in organizations. In *Proceedings of the 25th ACM Symposium on Access Control Models and Technologies* (pp. 223-225).

Bhatt, P., Ko, M., & Bhatt, S. (2020). Changing the Leopard's Spots: Using Privacy Calculus to enforce ABAC access control in BYOD. TREO Paper In *26th Annual Americas Conference on Information Systems, AMCIS 2020*.

Bhatt, S., Lo'ai, A. T., Chhetri, P., & **Bhatt, P**. (2019, June). Authorizations in cloud-based internet of things: current trends and use cases. In *2019 Fourth International Conference on Fog and Mobile Edge Computing (FMEC)* (pp. 241-246). IEEE.

HONORS AND AWARDS

UTSA GREAT Student Ambassador.

UTSA Who's Who Award 2021.

"Outstanding Technology Staff of the year 2018" Prairie View A&M University, AITC

RESEARCH AND TEACHING EXPERIENCE

Assistant Professor   August 2023 – till Present
Department of Information Systems, Supply Chain and Analytics
The University of Alabama in Huntsville, USA

Graduate Research Assistant   August 2019 – August 2023
Department of Information Systems and Cyber Security
The University of Texas at San Antonio, USA

Lecturer   August 2021 – May, 2023
Department of Information Systems and Cyber Security
The University of Texas at San Antonio, USA

Courses Taught – *Undergraduate Level*:

- Principles of Information Systems   (*Student Evaluations* – 4.44/5.0)
- Introduction to Telecommunications for Business   (*Student Evaluations* – 4.78/5.0)
- Programming Language I with Scripting: Python   *Currently Teaching* in Fall 2022

Teaching Assistant   January 2021 – May 2022
Courses – *Doctoral/Graduate Level*:

- Behavioral and Organizational Information Systems and Cybersecurity (ISCS) Research
- Fundamentals of Information Assurance

Graduate Research Assistant/Assistant Systems Administrator   August 2017 – July 2019
Agro-Innovation & Technology Center
Prairie View A&M University – Texas, TX

- Maintained College databases by identifying and solving database requirements, including the creation of instances, authentication login credentials, and supporting 200+ users.
- Supervised undergraduate students in IT-related Systems Administration and Audits.

INDUSTRY EXPERIENCE

Finance Technology Associate   March 2016 – July 2017
Legal Orders Processing
Bank of America, Gurugram, India.

- Financial Audit of Customers Accounts including dollar-based modeling, remediation, and oversight.
- Financial & Legal Customer Account Validation with Money-in-Account Analysis.
- Anti-Money Laundering and Procedural Enquiry of large-scale fraudulent funds transfers.
- Legal Order Processing and Financial & Technological Process Support.

ACADEMIC SERVICES

Conference Program Committee Member:
Association of Digital Forensics, Security and Law (ADFSL), 2022

Ad hoc Reviewer for Journals:
Information Systems Frontier (ISF), 2021
Computers & Security, 2022
IEEE Access, 2022

Ad hoc Reviewer for Conferences and Workshop:
Americas Conference on Information Systems (AMCIS), 2020.
IFIP Workshop on Information Systems Security Research, 2021; 2022.
Hawaii International Conference on System Sciences (HICSS), 2021, 2022, 2023.

PROFESSIONAL MEMBERSHIP

Association for Information Systems (AIS)
Association for Computing Machinery (ACM)

CERTIFICATIONS

Information Technology Infrastructure Library Foundation – ITIL v3
Certified Lean Six Sigma Green Belt – CLSSGB

RELEVANT SKILLS

Cybersecurity Software: Vulnerability analysis and network protection tools such as Bitdefender, Syxsense, Snort, Wireshark, NMAP, METASPLOIT, Kali Linux.
Big Data Analytics & Deep Learning: Hadoop (Apache Pig, Spark) and Python's libraries such as Pandas, Scikit-learn, NumPy, Matplotlib, PyTorch, Tensorflow, Bi-LSTM, Isolation Forest, Federated Learning.
Natural Language Processing: Text analysis using Bidirectional Encoder Representations from Transformers (BERT) and topic modeling techniques including Latent Dirichlet Allocation (LDA), Latent Semantic Analysis (LSA), term frequency-inverse document frequency (tf-idf), Bag of Words (BoW), word2vec.
Programming: Python, Java, C#, C++, Visual Basic, ASP.NET
Web Development: XML, CSS, HTML
Database Management: MS SQL Server, MySQL, Microsoft Access, HBase, FireBase
Data Analysis & Visualization: R/R Studio, SAS enterprise miners, SPSS, STATA, Tableau

REFERENCES

H. Raghav Rao, Ph.D.
Professor and AT&T Distinguished Chair in Infrastructure Assurance and Security
Department of Information Systems and Cyber Security
The University of Texas at San Antonio
Email: hr.rao@utsa.edu
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