

BIOGRAPHICAL SKETCH

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NAME: **ABHIJITH ANAND**

eRA COMMONS USER NAME (credential, e.g., agency login): -NA-

POSITION TITLE: **Assistant Professor of Information Systems, Department of Information Systems, Walton College of Business, University of Arkansas**

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	Completion Date	FIELD OF STUDY
KSIT, Visvesvaraya Technological University Bangalore, India	Bachelors	05/2009	Engineering, Electronics and Communications
University of Wollongong (UoW) Wollongong, Australia	Masters	10/2011	Information and Communication Technology
University of Wollongong Wollongong, Australia	Masters – Research	06/2013	Information Systems and Technology
University of Waikato, Waikato School of Management, New Zealand <i>Note: Parts of my PhD research were conducted at the University of Wollongong, McGill University and University of Technology Sydney</i>	PhD	11/2017	Information Systems
University of Wollongong Wollongong, Australia <i>Note: I have held multiple positions during my PhD, hence dates overlap.</i>	Global Challenges Scholar	04/2016	Engineering and Information Sciences
University of Wollongong Wollongong, Australia <i>Note: I have held multiple positions during my PhD, hence dates overlap.</i>	Associate Research Fellow	08/2017	Management Science

A. Personal Statement

I am an Assistant Professor in the Department of Information Systems at the Walton College, University of Arkansas. My research focuses on the intersection of IS value, healthcare information systems, IS strategy, and mathematical modeling. A core theme of my work is understanding how artificial intelligence and data analytics transform organizational strategies and competitive actions, with a particular emphasis on healthcare institutions.

My PhD in Information Systems, along with fellowships and roles on several externally funded grants in Australia, has equipped me with deep expertise in healthcare IT, analytics, and AI. Methodologically, I employ a range of advanced techniques—including statistical and econometric analysis, causal inference, computational modeling, machine learning, and mathematical modeling tailored to theoretical testing.

One stream of my research work examines the behaviors between healthcare practitioners and healthcare analytics platforms – aligned with the key objective of the HITECH Act. A significant strand of my research investigates how hospitals use analytics systems to respond to performance pressures in the complex and resource-constrained clinical environment. This work addresses a critical gap in our understanding of when and why healthcare practitioners turn to analytics to guide clinical decision-making.

Another important strand of my research focuses on the role of contextual factors in shaping the clinical and public health interpretation of vaccine efficacy, particularly in high-stakes pandemic environments. My work reveals that geographic regions with higher disease prevalence during clinical trials tend to report lower vaccine

efficacy - highlighting the need for more nuanced, context-aware approaches to evaluating and communicating vaccine outcomes. This has implications for both scientific understanding and public policy during pandemics.

Lastly, another area of my research focuses on how organizations and societies can derive value from emerging technologies like analytics and AI. I've developed frameworks such as the Theory of Performance-Driven Search, a two-stage analytics investment model, and the Performance Attainment Index to support data-driven decision-making. My work also offers guidance for prioritizing AI capabilities based on organizational needs and temporal context. Extending beyond firms, I study how national technology networks - through connectivity, institutional support, and local innovation - enable poverty reduction and disaster resilience. This research strand highlights the broader societal value of digital investments, particularly in improving equity and public health.

My research has also had significant industry reach. I have presented findings at practitioner-oriented forums such as SIM Connect, MIS Quarterly Executive, SAS Inc., Westpac, Ports Australia, and the Australian Tax Office. My work has informed whitepapers, business reports, and industry blogs, and has been featured in outlets including Science Magazine, Technology Networks, EurekAlert!, Medical Xpress, and Newswise. Notably, SAS Inc. incorporated insights from my research into their corporate training materials, with a public-facing report receiving over 12,000 downloads - demonstrating strong practitioner engagement and real-world impact.

In summary, I bring the expertise, leadership experience, training, and motivation not only to successfully collaborate on and execute the proposed research projects, but also to generate high-impact publications suitable for top-tier academic journals and actionable outputs for practitioners.

B. Positions, Scientific Appointments, and Honors

Jan 2018 – Present: Assistant Professor, Department of Information Systems, Walton College of Business, University of Arkansas

Aug 2017 – Dec 2017, Research Instructor, Department of Information Systems, Walton College of Business, University of Arkansas

Associate Editor Appointments

1. CTO Division, Academy of Management Annual Meeting (**AOM**) 2025, Copenhagen, Denmark
2. Digital Strategy, *International Conference on Information Systems (ICIS)* 2024, Bangkok, Thailand
3. Special Issue on Digital Organization (2023), *Information Systems Frontier (ISF)*
4. Governance, Digital Strategy, and Value, **ICIS** 2023, Hyderabad, India
5. HCI and Robotics, *Pacific Asia Conference on Information Systems (PACIS)* 2023, Nanchang, China
6. General IS Topics, **ICIS** 2022, Copenhagen, Denmark
7. General IS Topics, **ICIS** 2021, Austin, USA
8. IT Strategy, Leadership and Governance, **PACIS** 2021, Dubai, UAE.
9. Special Issue on Interpretable AI-enabled Online Behavior Analytics (2020), *Internet Research Journal*.
10. General IS Topics, *International Conference on Information Systems (ICIS)* 2020, Hyderabad, India.
11. Advances in Research Methods, **ICIS** 2020, Hyderabad, India
12. Transforming Society with Digital Innovation Track, **PACIS** 2019, Xi'an, China

Honors, Grants and Fellowships (Key Highlights): EJIS Outstanding Reviewer Contributions, Pandemic Research Recovery Grant, AIS/ACM Best Doctoral Dissertation Award in the Field, PHIS-NZ Best Doctoral Dissertation Award for IS Research New Zealand (2018), Ports Australia Fellowship, SAS Inc. Australia Research Fellowship, ICIS Doctoral Consortium Fellow, Global Challenges Fellowship and among others.

Scientific Memberships: 2014 – Present: Association of Information Systems, 2022 – Present: Informa

C. Contributions to Science: Please see:

<https://scholar.google.com/citations?user=4QxVNC8AAAAJ&hl=en>