

Dr. Spurthy Dharanikota

Assistant Professor
Information Systems Area
Indian Institute of Management Bangalore

An Information Systems researcher with the enthusiasm and passion for identifying and solving interesting research problems in the domains of Human-Artificial Intelligence Collaboration and Healthcare Informatics. Experienced in using both quantitative and qualitative research methodologies to design research studies, I led and co-authored publications in major international conferences (AMCIS, DESRIST, AMIA) and journals (JMIR, IJMI, IT & People)

ACADEMIC POSITIONS

Florida International University, Miami, Florida

Graduate Teaching Assistant

August 2018 - July 2022

Instructor on record, ISM 4400: Machine Learning for Business Analytics using R

January 2021 - April 2022

Courses Overview:

Designed and developed the course syllabus to include the following topics:

Business Analytics industry use cases, Data visualization, time-series forecasting, classification, and prediction methods, supervised and unsupervised machine learning algorithms (Naïve Bayes Classifier and kNN Classifier), Regression (linear, multiple linear, logistic, multinomial logistic), Cluster analysis.

EDUCATION

Ph.D. in Information Systems and Business Analytics

August 2018 - July 2022

Florida International University, Miami, Florida

Thesis title: *The psychological and agentic effects of human-bot delegation in open-source software development (OSSD) communities: An empirical investigation of Information Systems Delegation Framework*

Committee headed by: Professor George M. Marakas

Masters in Business Administration (MBA)

August 2017

Florida International University, Miami, Florida

Master's Project: Evolutionary versus Revolutionary Innovation: The case of 3D printing

Recipient of 'Chapman Merit Scholarship' for the Academic year 2016-2017

Won 2nd place at the Chapman Intercollegiate Business Case Competition, 2017

GPA: 3.9/4.0

Summer Business Program

June 2017

Entrepreneurial Studies

ESADE Business School, Barcelona, Spain

Bachelor of Engineering

September 2012

Chaitanya Bharathi Institute of Technology, Osmania University, Hyderabad, India

GPA: equivalent to 3.6/4.0

JOURNAL PUBLICATIONS

- **Dharanikota S**, LeRouge CM, Lyon V, Durneva P, Thompson M Identifying Enablers of Participant Engagement in Clinical Trials of Consumer Health Technologies: Qualitative Study of Influenza Home Testing *J Med Internet Res* 2021;0(0):e0 URL: <https://www.jmir.org/2021/0/e0/> DOI: 10.2196/26869
- Esmaeilzadeh, Pouyan, Tala Mirzaei, and **Spurthy Dharanikota**. "The impact of data entry structures on perceptions of individuals with chronic mental disorders and physical diseases towards health information sharing." *International journal of medical informatics* 141 (2020): 104157.
- Esmaeilzadeh, Pouyan, **Spurthy Dharanikota**, and Tala Mirzaei. "The role of patient engagement in patient-centric health information exchange (HIE) initiatives: an empirical study in the United States." *Information Technology & People* (2021).
- Esmaeilzadeh, Pouyan, Tala Mirzaei, and Spurthy Dharanikota. " Patients' perceptions toward human-Artificial Intelligence (AI) interaction in healthcare: an experimental study" *Journal of Medical Internet Research* (2022)

CONFERENCE PRESENTATIONS

- Dharanikota, Spurthy, and George M. Marakas. "Does AI Reliance lead to Performance? A Task-Technology Fit Theory Perspective." (2021). AMCIS
- Esmaeilzadeh, Pouyan, Tala Mirzaei, and Spurthy Dharanikota. "Does Data Entry Structure Influence Sharing Health Information of Patients with Chronic Health Impairment? An Experimental Study." (2020). AMCIS
- Bouayad, L., Bhattacharjee, A., Agrawal, M., Dharanikota, S., & Durneva, P. (2020, December). Technology Personalization in Health Applications for Patients with Autism Spectrum Disorder: Artifact Design and a Controlled Experiment. In International Conference on Design Science Research in Information Systems and Technology (pp. 75-80). Springer, Cham. DESRIST
- Tulu, B., LeRouge, C., King, N., & Dharanikota, S. (2019). Addressing the Challenges of Telemedicine Implementation Using a Critical Success Model Approach. In AMIA.

PROFESSIONAL SERVICE

- Conference Reviews (4)
AMCIS (2021), ICIS (2020), ECIS (2021), ICIS (2021)
- Journal Reviews (2)
 - Database for Advances in Information Systems
 - Internet Research

WORK EXPERIENCE

Principle Info-Tech, Houston, Texas
Business Data Analyst

September 2017 - June 2018

Vedika, India
Event Organization Venture
Entrepreneur / Co-founder

April 2013 - May 2016

Melanze Designs, India
Business Lead

May 2012 - March 2013

TECHNOLOGIES

Programming Languages	R, Python, SQL
Data Visualization tools	Power BI, Tableau
Database Management	SQL, MySQL, PostgreSQL, DynamoDB, MongoDB
Machine Learning	Classification and prediction methods, supervised and unsupervised machine learning algorithms (Naïve Bayes classifier and kNN classifier), Regression (linear, multiple linear, logistic, multinomial logistic), Cluster analysis.
IDEs	Jupyter Notebooks, RStudio
Research Methodologies	Citation managers (Endnote), Dedoose and nVivo (qualitative and mixed methods), SPSS and R (quantitative)

ONLINE CERTIFICATIONS

October 2017	Data Analyst Nanodegree, Udacity
February 2017	Yellow Belt, Lean Six Sigma
May 2016	Tableau for Data Scientists, Udemy
September 2015	Data Science and Machine Learning with R, Coursera