Sanorita Dey

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Research Interest	Core: Cognitive dissonance, Biased assimilation, Persuasion theory, Change of belief, Spatial learning, Mental mapping	
	Application: Social computing, Socio-political platforms, Crowdsourcing and Crowdfunding, Advertising and campaign management, Cognitive mobile app	
Current Appointment	Assistant Professor , Aug 2020 - present Dept. of Computer Science and Electrical Engineering University of Maryland Baltimore County	
Education	PhD , Computer Science, 2020 University of Illinois at Urbana-Champaign Advisor: Prof. Karrie Karahalios	
	Master of Science, Computer Science and Engineering, 2013 University of South Carolina Advisor: Prof. Srihari Nelakuditi (Outstanding Thesis Award)	
	Bachelor of Engineering, Computer Science and Technology, 2007 IIEST (formerly B.E. College) Advisor: Prof. Sekhar Mandal (Graduated with Honors)	
Selected Honors	 Maria Pia Gratton International Fellowship, 2019 "Top-5 paper" at SUI, 2019 Dissertation Completion Fellowship, 2018 Best Paper Honorable Mention Award at CHI, 2018 Adobe Digital Marketing Research Award, 2016 Outstanding thesis award for MS thesis, 2014 SPARC Graduate Fellowship Award, 2013 presented by the Office of Vice President for Research, 2013 Best poster award in HotMobile 2013 18th rank out of around 2,00,000 students in the board exam of 12th standard 	
Publication	 Fishing for Validation: Understanding Promises and Challenges of a Private Social Media Group for COVID-19 Long-Hauler Patients Abhinav Reddy Karra, Ranjan Jaiswal, Sanorita Dey CSCW 2022: ACM Computer-Supported Cooperative Work and Social Computing 	

It Is All About Criticism: Understanding the Effect of Social Media Discourse on Legal Crowdfunding Campaigns Sanorita Dey, Brittany Duff, Karrie Karahalios CSCW 2022: ACM Computer-Supported Cooperative Work and Social Computing

Computational Understanding of Narratives: A Survey **Priyanka Ranade**; Sanorita Dey, Anupam Joshi, Tim Finin IEEE Access 2022

Re-imagining the Power of Priming and Framing Effects in the Context of Political Crowdfunding Campaigns Sanorita Dey, Brittany Duff, Karrie Karahalios CHI 2022: ACM Human Factors in Computing Systems

Interpretable Explanations for Probabilistic Inference in Markov Logic **KM Al Farabi**, S Sarkhel, S Dey, D Venugopal 2021 IEEE International Conference on Big Data (Big Data)

Recommendation for Video Advertisements based on Personality Traits and Companion Content

Sanorita Dey, Brittany Duff, Niyati Chhaya, Wai Fu, Vishy Swaminathan, Karrie Karahalios

IUI 2020: ACM International Conference on Intelligent User Interfaces

VidLyz: An Interactive Approach to Assist Novice Entrepreneurs in Making Persuasive Campaign Videos

Sanorita Dey, Brittany Duff, Wai-Tat Fu, Karrie Karahalios CSCW 2019: ACM Computer-Supported Cooperative Work and Social Computing

Understanding the Effect of the Combination of Navigation Tools in Learning Spatial Knowledge

Sanorita Dey, Wai-Tat Fu, Karrie Karahalios
SUI 2019: ACM Spatial User Interaction
★ Top-5 Papers

Effects of Socially Stigmatized Crowdfunding Campaigns in Shaping Opinions **Sanorita Dey**, Karrie Karahalios, Wai-Tat Fu CHI 2018: ACM Human Factors in Computing Systems ★ Best Paper Honorable Mention Award

Getting There and Beyond: Incidental Learning of Spatial Knowledge with Turn-by-Turn Directions and Location Updates in Navigation Interfaces **Sanorita Dey**, Karrie Karahalios, Wai-Tat Fu SUI 2018: ACM Spatial User Interaction

Fine-Grained Explanations using Markov Logic Khan Mohammad Al Farabi, Somdeb Sarkhel, **Sanorita Dey**, Deepak Venugopal ECMLPKDD 2019: The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases

Understanding the Effects of Endorsements for Scientific Crowdfunding **Sanorita Dey**, Karrie Karahalios, Wai-Tat Fu CHI 2017: ACM Human Factors in Computing Systems

	 The Art and Science of Persuasion: Not All Crowdfunding Campaign Vi Same Sanorita Dey, Brittany Duff, Karrie Karahalios, Wai-Tat Fu CSCW 2017: ACM Computer-Supported Cooperative Work and Social A scalable online platform for evaluating and training visuospatial skills students Z. Xiao, Y. Yao, C. Yen, Sanorita Dey, H. Wauck, J. Leake, B. Woodar W. Fu ASEE 2017: Annual Conference of the American Society of Engineering AccelPrint: Imperfections of Accelerometer Make Smartphones Trackable Sanorita Dey,Nirupam Roy,Wenyuan Xu,Romit Roy Choudhury,Srihar NDSS 2014: Annual Network and Distributed System Security Symposition 	Computing of engineering d, A. Wolters, Education le ri Nelakuditi
Extended Abstract & Workshop Papers	 Understanding the Effect of the Combination of Navigation Tools in Lea Knowledge Sanorita Dey, Wai-Tat Fu, Karrie Karahalios UIST 2019: ACM Symposium on User Interface Software and Technolog Videolyzer: An Interactive Platform for Making Videos Persuasive Sanorita Dey 	arning Spatial
	IUI 2017: ACM International Conference on Intelligent User Interfaces	
	Know your Surroundings with an Interactive Map Sanorita Dey IUI 2015: ACM International Conference on Intelligent User Interfaces	
	Study the Effect of Allocentric and Egocentric Interfaces in Indoor Navi Sanorita Dey , John Lee, Karrie Karahalios, Wai-Tat Fu HCI Consortium 2014	gation
	Leveraging Imperfections of Sensors for Fingerprinting Smartphones Sanorita Dey, Nirupam Roy, Wenyuan Xu, Srihari Nelakuditi HotMobile 2013: International Workshop on Mobile Computing Systems tions	and Applica-
	Mitigating Distractions from Smartphones Connor Bain, Sanorita Dey , Romit Roy Chowdhury, Srihari Nelakuditi HotMobile 2013: International Workshop on Mobile Computing Systems tions	
Teaching Experience	 Instructor Social and Crowd Computing (CMSC 691/ CMSC 491) Spring 2021, Spring 2022 Data Structures (CMSC 341) Fall 2021 2021, Fall 2022 Social/Ethical Issues in Information Technology (CMSC 304) Fall 2020 	
	Tutorial/WorkshopDesigning user-centric applications	March, 2015

	• Wearable/handheld device programming	Oct, 2013
	• Sensor augmented app development	Oct, 2013
	Guest Lecture Investigating the effect of stigma in crowdfunding platforms Course: Social Visualization (CS 467)	Fall 2018
Prototype Development	Indoor Navigation App for Cognitive Spatial Learnin An customizable indoor navigation application to study cues in acquiring incidental spatial knowledge	-
	Online Sketching Tool for Visuo-Spatial Skill Evaluat An online grid-based free-hand sketching tool to test skill	
	VidLyz: A tool for making persuasive videos An online interactive tool that allows users to explore the engagement persuasion factors in the context of campa trasting examples, crowd-sourced subjective feedback or	aign videos through con-
Diversity Leadership	Organized N2Women (Networking Networking Women) works encourage diversity and foster connections among under computing	-
	Guest speaker at the seminar organized by Women in Comute to present the prospect of graduate study in HCI at UI	. , , ,
Industry Experience	Adobe Systems Incorporated Data Science Research Intern	Spring 2018
	Cognizant Technology Solutions Associate Projects	Spring 2011
	Tata Consultancy Services System Engineer (British Telecom)	Fall 2007 - Fall 2010
Activities	 Program committee member at CHI and CSCW Invited reviewer at CHI, CSCW, CogSci, ICWSM Web Chair, ICHI 2016 Organizer of N2Women workshop at MobiHoc 2012 Reviewer of the Graduation Day, 2012 Volunteer at 'Illini Fighting Hunger' initiative for underprise Leader of the Physical Activity course at the High School 	vileged children, 2017