Fayika Farhat Nova, PhD

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Parkview Research Center, 10622 Parkview Plaza Dr, Fort Wayne, IN 46845

Research Interests	Health Informatics, Human-Computer Interaction, Patient-centered Care, Mental Health, Social Computing, Online Harassment, Social Network Analysis	
Professional Appointments	*Research Scientist* Health Services and Informatics Research Parkview Research Center, IN, USA	Dec'22 - Current
	Coordinator Marketing, Sale & Solution Department Huawei Technologies and Co., Dhaka, Bangladesh	Jan'17 - Jun'17
Research Experiences	*Research Analyst* Health Services and Informatics Research Parkview Research Center, IN, USA	Jan'22 - Nov'22
	Graduate Research Assistant Department of Computer Science Marquette University, WI, USA	Jan'21 - Dec'21
	HSIR Research Protocol Assistant Health Services and Informatics Research Parkview Research Center, IN, USA	May'20 - Aug'20
	Graduate Research Assistant Department of Mathematics, Statistics and Computer Science Marquette University, WI, USA	Aug'17 - Jul'19
Education	*PhD in Computer Science*, Department of Computer Science Marquette University, USA	Aug'17 - Dec'22
	M.Sc. in Computing, Department of Computer Science Marquette University, USA	Aug'17 - May'21
	B.Sc. in Computer Science, Department of Computer Science Asian University for Women, Bangladesh	Sep'11 - May'16
Honors & Awards	Doctoral Consortium (2023), GROUP, South Carolina Research Assistant (2021) under NSF grant (2026607) Summer Research Grant (2020), Parkview Research Center, USA Teaching Assistant (2019-20), Department of Computer Science, Marquette University, USA Research Assistant (2017-19), Dr. Shion Guha Startup Fund, Marquette University, USA Student Scholar (2019), Grace Hopper Celebration, USA CRA-W Fund (2019), CRA-W Grad Cohort for Women Workshop	

Doctoral Consortium (2019), ICTDX, India
SIGCHI Travel Grant, SIGCHI, USA
Rising Star Award (2015), Wedu Leadership Program
Chevron Scholarship (2012), Chevron

Certification   CITI- Social & Behavioral, Clinical Practice, Human Subject Research, Responsible Conduct of Research (RCR)

Peer-Reviewed Conference Papers

Jessica Pater, Amanda Coupe, **Fayika Farhat Nova**, Rachel Pfafman, Jeanne Carroll, Abigail Brouwer, Camden Bohn, Jason Li, Noah Todd, Fen Lei Chang, MD, and Shion Guha. 2023. Social Media is not a Health Proxy: Differences Between Social Media and Electronic Health Record Reports of Post-COVID Symptoms. Proceedings of the ACM on Human-Computer Interaction 7, Article 148, 25 pages. **CSCW1, 2023**. ACM. https://doi.org/10.1145/3579624

Fayika Farhat Nova, Rachel Pfafman, Kelley Kardys, Connie Kerrigan, Shion Guha, and Jessica Pater. "Uncovering Adverse Childhood Experiences (ACEs) from Clinical Narratives within the Electronic Health Record". Proceedings of the ACM on Human-Computer Interaction 6, Article 547, 29 pages. **CSCW2, 2022**. ACM. https://doi.org/10.1145/3555605

Fayika Farhat Nova, Amanda Coupe, Elizabeth D. Mynatt, Shion Guha, and Jessica A. Pater. "Cultivating the community: inferring influence within eating disorder networks on twitter." Proceedings of the ACM on Human-Computer Interaction 6, Article 7, 33 pages. **GROUP, 2022**. ACM. https://doi.org/10.1145/3492826

Fayika Farhat Nova, Pratyasha Saha, and Shion Guha. "Understanding Online Harassment and Safety Concerns of Marginalized LGBTQ+ Populations on Social Media in Bangladesh". Proceedings of the 2022 International Conference on Information and Communication Technologies and Development. **ICTD, 2022**. ACM.

Fayika Farhat Nova, Michael Ann DeVito, Pratyasha Saha, Kazi Shohanur Rashid, Shashwata Roy Turzo, Sadia Afrin, and Shion Guha.""Facebook Promotes More Harassment": Social Media Ecosystem, Skill and Marginalized Hijra Identity in Bangladesh." Proceedings of the ACM on Human-Computer Interaction 5, no. pp: 1-35. **CSCW1, 2021**. ACM . https://doi.org/10.1145/3449231

Jessica Pater, **Fayika Farhat Nova**, Amanda Coupe, Lauren E. Reining, Connie Kerrigan, Tammy Toscos, and Elizabeth D. Mynatt. "Charting the Unknown: Challenges in the Clinical Assessment of Patients' Technology Use Related to Eating Disorders." In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems, pp. 1-14. **CHI, 2021**. ACM. https://doi.org/10.1145/3411764.3445289

Fayika Farhat Nova, Michael Ann DeVito, Pratyasha Saha, Kazi Shohanur Rashid, Shashwata Roy Turzo, Sadia Afrin, and Shion Guha. "Understanding How Marginalized Hijra in Bangladesh Navigate Complex Social Media Ecosystem." In Conference Companion Publication of the 2020 on Computer Supported Cooperative Work and Social Computing, pp. 353-358. **CSCW, 2020**. ACM. https://doi.org/10.1145/3406865.3418317

Fayika Farhat Nova, Pratyasha Saha, Md Shafiur Raihan Shafi, and Shion Guha. "Sharing Of Public Harassment Experiences on Social Media in Bangladesh." In Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing, pp. 324-329. **CSCW, 2019**. ACM. https://doi.org/10.1145/3311957.3359465

Fayika Farhat Nova, MD Rashidujjaman Rifat, Pratyasha Saha, Syed Ishtiaque Ahmed, and Shion Guha. "Online sexual harassment over anonymous social media in Bangladesh." In Proceedings of the Tenth International Conference on Information and Communication Technologies and Development, pp. 1-12. **ICTD, 2019**. ACM. https://doi.org/10.1145/3287098.3287107

Fayika Farhat Nova, Md Rashidujjaman Rifat, Pratyasha Saha, Syed Ishtiaque Ahmed, and Shion Guha. "Silenced Voices: Understanding Sexual Harassment on Anonymous Social Media Among Bangladeshi People." In Companion of the 2018 ACM Conference on Computer Supported Cooperative Work and Social Computing, pp. 209-212. **CSCW, 2018**. ACM. https://doi.org/10.1145/3272973.3274057

Academic Projects	Recommendation Engine Design: Web-based Movie Recommendation Engine using R, MySQL, Facebook API, bootstrap, HTML, Java Script, and CSS
	BI Dashboard Design: Interactive dashboard interface for Expedia to create "Targeted Marketing Strategy" decisions using Tableau, and R
	Database Design: PHP-based web user interface for Bangladesh Birth Registration Bureau using MySQL, CSS, HTML, and PHP
	Mobile Application Design: Java-based mobile user interface with GPS, password authentication, and message alert system using Eclipse, Android SDK, MySQL and Java
Teaching	Lab Instructor Intro to Computer Science- Marquette University -Spring 2020, 60 students -Fall 2020, 52 students
	Lab Instructor Programming Language- Marquette University -Fall 2019, 40 students
	Faculty CSE and EEE Department, Uttara University -Fall 2016, 86 students -Spring 2017, 120 students
Skills	Research Methods: Usability Testing, Ethnography, Interviews, Surveys, Focus Groups, Web Scraping Analytical Skills: Data Analysis, Data Visualization, Statistics, Quantitative Analysis, Machine Learning, Natural Language Processing, Probability Programming Languages: C, Java, Python, R, MATLAB, Scheme, LaTeX, SQL Styling & Scripting Languages: CSS, HTML, PHP, JS Framework: Bootstrap

Storage: MySQL, Apache
IDE: Eclipse
Tools/Software/Libraries: : RStudio, SPSS, Jupyter, MATLAB, MySQL, Tableau, PowerBI , Eclipse, EPIC, Proto.io, NumPy, Pandas, PyTorch, SciPy, Matplotlib, Seaborn, ResearchPy, Scikit-learn, Psych, Ggplot2
Operating Systems: MAC OS, Windows, Linux (Linux mint)
Languages: Bengali(native), English(proficient), Hindi(Basic).

Professional Service	**Professional Societies** • ACM • AMIA **Conference Reviewing** • ACM, CHI, 2019, 2022, 2023 • ACM, GROUP, 2022 • ACM, CSCW, 2018-2023
Invited Talks	Developing Cybersafe Homes. *Plymouth Educational Program.* (2023, March). Plymouth Congregational Church.
Organizing & Leadership Activities	Graduate Consultant (2021), ACM-W Marquette Chapter, USA Student Volunteer, CHI 2021, Virtual (originally Yokohama, Japan) Co-General Secretary (2020-21), Bangladesh Student Association-Marquette University, USA Student Volunteer, CSCW 2020, Virtual (originally Minneapolis, USA) Student Volunteer, CSCW 2019, Texas, USA Student Volunteer, ICTD 2019, Ahmadabad, India Vice President (2015), AUW Photography Club, Bangladesh Communication and Co-operation Officer (2014- 16), AUW IT Club, Bangladesh