

Faculty Bio: Dr. Sunnie S. Chung



Dr. Sun Sunnie Chung received the PhD. and M.S. degrees in Computer Science from Case Western Reserve University, Cleveland, USA. She is currently Professor of Practice and a Director of the Big Data Analytics and AI research lab in the department of Computer Science, Cleveland State University (CSU). Dr. Chung came with significant industry research experience in big data analytics. Before she joined CSU, she had worked as a Research Associate in leading big data industry research labs in Silicon Valley California working on optimization of real time big data analytic processing systems.

She is currently leading several research groups in her Big Data Analytics and AI research lab (at: <https://eeecs.csuohio.edu/~sschung/>) focusing on Graph Convolutional Neural Networks (GCN) for Cyber Attack Detection System in Wi-Fi Network, Context Aware Medical Question Answering System with Knowledge Graph (KG), and Generative AI: Text-2-SQL for Medical Question Answering System with Natural Language Processing (NLP) in collaborations with doctors at Intensive Care Unit of Cleveland Clinic Foundation (CCF), and Machine Learning based Untargeted/Targeted Metabolite Analysis in collaborations with Neurologists in Medicine, Case Western Reserve University. Dr. Chung has initiated and made a significant contribution to the establishment of the regional research collaboration initiative IoT Collaborative (IOTC) funded by Cleveland Foundation. She has also established Data Science degrees both in undergraduate and a PhD program in Computer Science at CSU. She holds numerous publications in many prestigious journals and conferences on big data analytics, context aware medical question answering systems, security and privacy of cloud computing systems. Dr. Chung also serves as a review committee member of prestigious IEEE Transaction Journals and ACM SIGMOD.