



# Introduction

## Education & Relevant Experience

- ▶ Working as Associate Professor of Cybersecurity, CS&DS, SACS, Meharry Medical College, TN, USA.
- ▶ Assistant Professor of the Practice in Vanderbilt University, TN, USA
- ▶ PhD and Masters of Science from Indian Institute of Technology Kharagpur, India (314 in QS Global World Rankings 2021, Among top 60 Universities of Asia, 3<sup>rd</sup> in India)
- ▶ Post Doctoral Fellow in Tennessee State University, TN, USA
- ▶ Post Doctoral Fellow in Fordham University, NY, USA
- ▶ Post Doctoral Research fellow in ADSC Singapore in collaboration with University of Illinois, UC, USA.

## Publication and Services

- ▶ Top 2% cited researchers specializing in networking, telecommunications, artificial intelligence, and image processing subfields listed by **Stanford-Elsevier**.
- ▶ **Peer Reviewing** Internationally Reputed Journals, Publon: <https://publons.com/researcher/1483525/uttam-ghosh/>
- ▶ **Workshop and special session organizer and Technical Program Committee** member of Top IEEE Conferences.
- ▶ **Published** 150+ papers and book chapters with **4000 Citation** with ***h-index: 33*** and ***i-index: 95***.
- ▶ Co-edited and published **9 books** with Elsevier, Springer and CRC Press  
GScholar: <https://scholar.google.com/citations?hl=en&user=ZfNVeDoAAAAJ>
- ▶ **Book Proposal Review:** Actively reviewing Book Proposals for CRC Press and Springer.
- ▶ **Invited Talks: 20 Invited Talks** Machine learning, Networking, Cybersecurity.

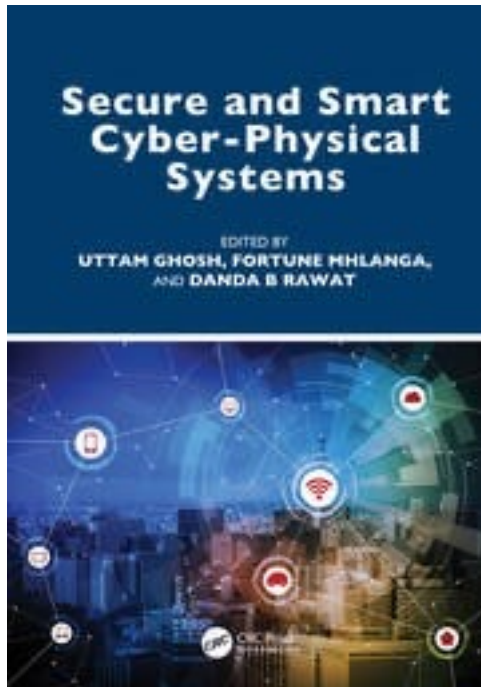


## Research Grants and Support from NSF

- “Efficient Data Communication and Processing for Intelligent Medical Systems with Edge-Cloud Interplay,” NSF CISE-MSI/DP/CNS, Budget: \$600,000, Team: Meharry Medical College (Lead), Old Dominion University (Sub), Role: PI, Status: **Current**.
- “CAP: Capacity Building for building AI institute for Trustworthy AI in Medical Systems (TAIMS),” NSF CAP, Total Budget: \$395,703, Role : Co-PI, Status: **Current**.
- “CyberAI: An Open & Interactive Training Platform on AI and Cybersecurity for Underrepresented Communities”, NSF The South Big Data Innovation Hub, Budget: \$10,000, Role: PI, Status: **Current**.
- “Capacity Building for Research at Minority-Serving Institutions: Infrastructure Research Readiness (CyBR-MSI: IRR), Subaward, Role: PI, Budget: \$3000.
- “Excellence in Research: A Trustworthy and Privacy Preserving Framework for Latency-sensitive Video enabled Health Incident-Response Applications,” Total Budget: \$611,959, Team: Meharry Medical College (Lead), City University of NY (Sub), Role: PI, Status: **Awarded**.



## Book Publication from NSF Funding



- Presents cutting-edge topics and research in IoT and CPS
- Includes contributions from leading worldwide researchers
- Focuses on CPS architectures for secure and smart environments
- Explores AI/ML and blockchain approaches for providing security and privacy to CPS including smart grids, smart cities, and smart healthcare
- Provides comprehensive guidance into the intricate world of software development for medical devices
- Covers a blueprint for the emergence of 6G communications technology in Industry 5.0 and federated-learning-based secure financial services