

Snigdha Das

CONTACT INFORMATION

ADDRESS: Systems and Mobile Research Lab
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CURRENT STATUS

I am PhD scholar working on Ubiquitous Computing, under the guidance of *Dr. Bivas Mitra* and *Dr. Sandip Chakraborty*. The title of the thesis is Pervasive Education: From Physical to Virtual Smart Classroom (Submitted on July 24, 2022). My research interest lies in Ubiquitous Computing, and Human Computer Interaction.

EDUCATION

- 2015 Master of Science by RESEARCH in INFORMATION TECHNOLOGY
Indian Institute of Technology, Kharagpur, India
Thesis: "Resource Management in Mobile Cloud Environments" | Advisor: Dr. Sudip Misra
GPA: 9.8/10
- 2010 Bachelor of Technology in INFORMATION TECHNOLOGY
West Bengal University of Technology, India
Thesis: "Library Management System" | Advisor: Nabanita Bhattacharjee
GPA: 8.9/10
- 2006 Higher Secondary at **WBCHSE, India**
FINAL SCORE: 80.9/100
- 2004 Secondary at **WBBSE, India**
FINAL SCORE: 82/100

PUBLICATIONS

- PhD Work** Das S, Chakraborty S, Mitra B. *I Cannot See Students Focusing on My Presentation; Are They Following Me? Continuous Monitoring of Student Engagement through "Stungage"*. In Proceedings of the 2022 30th ACM Conference on User Modeling, Adaptation and Personalization 2022.
- PhD Work** Das S, Awasthi S, Shamnar A, De P, Chakraborty S, Mitra B. *SmartWatch for Wall Writing: Real-time Transcription of Wall Writing from Inertial Sensing*. In Proceedings of the 2022 14th International Conference on Communication Systems and Networks (COMSNETS) 2022 Jan 8 (pp. 675-683).
- PhD Work** Das S, Chakraborty S, Mitra B. *Quantifying Students' Involvement during Virtual Classrooms: A Meeting Wrapper for the Teachers*. In Proceedings of the 2021 12th Indian Conference on Human-Computer Interaction (IndiaHCI Short Paper) 2021 Nov 21 (pp. 133-139).
- PhD Work** Das S, Singh R, De P, Chakraborty S, Mitra B. *Note-on-Watch: Live Scribing from Boardworks to Class-notes*. In Proceedings of the 2020 22nd ACM International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI LBR) 2020 Oct 6 (pp. 1-5).
- PhD Work** Das S, Chatterjee S, Chakraborty S, Mitra B. *GroupSense: A Lightweight Framework for*

Group Identification. IEEE Transactions on Mobile Computing. 2018 Dec 12;18(12):2856-70.

PhD Work Das S, Chatterjee S, Chakraborty S, Mitra B. *An unsupervised model for detecting passively encountering groups from WiFi signals*. In Proceedings of the 2018 37th IEEE Global Communications Conference (GLOBECOM) 2018 Dec 9 (pp. 1-7).

PhD Work Das S. *A framework for group identification using smartphone and wearables*. In Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers (UbiComp Broadening Participation Workshop) 2018 Oct 8 (pp. 1847-1850).

PhD Work Das S, Roy DJ, Nandi S, Chakraborty S, Mitra B. *UDAT: User Discrimination Using Activity-Time Information*. In Proceedings of the 2017 18th IEEE International Conference on Mobile Data Management (MDM Poster) 2017 May 29 (pp. 352-355).

PhD Work Das S. *Community based multi-group activity prediction and member identification*. In Proceedings of the 2017 9th International Conference on Communication Systems and Networks (COMSNETS PhD Forum) 2017 Jan 4 (pp. 586-587).

MS Work Das S, Khatua M, Misra S. *Cheating-Resilient Bandwidth Distribution in Mobile Cloud Computing*. IEEE Transactions on Cloud Computing. 2016 Dec 13;7(2):469-482.

MS Work Das S, Khatua M, Misra S, Obaidat MS. *Quality-assured secured load sharing in mobile cloud networking environment*. IEEE Transactions on Cloud Computing. 2015 Jul 16;7(1):102-15.

MS Work Misra S, Das S, Khatua M, Obaidat MS. *QoS-guaranteed bandwidth shifting and redistribution in mobile cloud environment*. IEEE Transactions on Cloud Computing. 2013 Dec 11;2(2):181-93.

MS Work Das S, Misra S, Khatua M, Rodrigues JJ. *Mapping of sensor nodes with servers in a mobile health-cloud environment*. In Proceedings of the 2013 15th International Conference on e-Health Networking, Applications and Services (Healthcom 2013) 2013 Oct 9 (pp. 481-485).

Internship Work Hassan SS, Choudhury PP, Singh R, Das S, Nayak BK. *Collatz Function like Integral Value Transformations (IVT)*. Alexandria Journal of Mathematics.;2(1):30-5.

WORK EXPERIENCE

JUL 2010 - SEP 2012 Consultant – Enterprise Package Solutions
Computer Sciences Corporation, India
Work on PeopleSoft

AUG 2009 - MAR 2010 Intern
Indian Statistical Institute, Kolkata
Work on Research Project on Cellular Automata and Fractals

TEACHING ASSISTANCE

- Programming and Data Structures
- Algorithms Laboratory
- Theory of Computation
- Smartphone Computing
- Blockchain Architecture Design & Use cases

ACHIEVEMENT

- Recipient of Gary Marsden Travel Award 2022.
- Recipient of COMSNETS Fellowship July-September 2021.
- Recipient of IBM PhD Fellowship 2018.