

# Snigdha Das

## CONTACT INFORMATION

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## CURRENT STATUS

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I am PhD scholar working on Ubiquitous Computing, under the guidance of *Dr. Bivas Mitra* and *Dr. Sandip Chakraborty*. My research interest lies in Ubiquitous Computing, and Human Computer Interaction.

## EDUCATION

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- 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

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- PhD Work** Das S, Singh R, De P, Chakraborty S, Mitra B. *Note-on-Watch: Live Scribing from Board-works to Class-notes*. In Proceedings of the 2020 22<sup>nd</sup> 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 37<sup>th</sup> 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 18<sup>th</sup> 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 9<sup>th</sup> IEEE 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 15<sup>th</sup> IEEE 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

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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

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

## ACHIEVEMENT

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- Recipient of IBM PhD Fellowship 2018.
- Qualified GATE 2016 with an All India Rank of 879.

## PERSONAL DATA

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PLACE AND DATE OF BIRTH:    Kolkata, India | 24 August 1987  
NATIONALITY:    Indian  
GENDER:    Female  
LANGUAGE KNOWN:    English, Bengali, Hindi

## OTHER INTERESTS

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Travelling, Singing