# Snigdha Das

## Contact Information

| | |
|---|---|
| Address: | Systems and Mobile Research Lab |
| | Department of Computer Science & Engineering |
| | Indian Institute of Technology Kharagpur |
| Phone: | +91 9433 914294 |
| email: | snigdha00582@gmail.com |

## Current Status

I am PhD scholar working on Ubiquitous Computing, under the guidance of *Dr. Bivas Mitra* and *Dr. Sandip Chakraborty*.

## 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

- **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.

- **Das S**, Chatterjee S, Chakraborty S, Mitra B. *An unsupervised model for detecting passively encountering groups from WiFi signals.* In2018 IEEE Global Communications Conference (GLOBECOM) 2018 Dec 9 (pp. 1-7).

- **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 2018 Oct 8 (pp. 1847-1850).

- **Das S**, Roy DJ, Nandi S, Chakraborty S, Mitra B. *UDAT: User Discrimination Using Activity-Time Information.* In2017 18th IEEE International Conference on Mobile Data Management (MDM) 2017 May 29 (pp. 352-355).

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

- **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.

- **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.

- 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.

- **Das S**, Misra S, Khatua M, Rodrigues JJ. *Mapping of sensor nodes with servers in a mobile health-cloud environment.* In2013 IEEE 15th International Conference on e-Health Networking, Applications and Services (Healthcom 2013) 2013 Oct 9 (pp. 481-485).

- 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<br>*Computer Sciences Corporation, India*<br>Work on PeopleSoft |
| Aug 2009 - Mar 2010 | Intern<br>*Indian Statistical Institute, Kolkata*<br>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 IBM PhD Fellowship 2018.

- Qualified GATE 2016 with an All India Rank of 879.

## Personal Data

| | |
|---|---|
| Place and Date of Birth: | Kolkata, India | 24 August 1987 |
| Nationality: | Indian |
| Gender: | Female |
| Language Known: | English, Bengali, Hindi |

## Other Interests

Travelling, Singing