Srayan DATTA

PERSONAL DATA

OFFICE ADDRESS:	3349 North Quad, 105 South State Street, Ann Arbor, USA
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EDUCATION

CURRENT
Doctoral student in COMPUTER SCIENCE AND ENGINEERING,
University of Michigan, Ann Arbor
GPA: **4.0**/4.0 (After 8th semester)
Relevant courses: Machine learning, Theory of Social and Technical Networks, Advanced Artificial Intelligence and Algorithms

AUGUST 2015
Master of Science in COMPUTER SCIENCE AND ENGINEERING,
University of Michigan, Ann Arbor
GPA: **4.0**/4.0

JUNE 2013
Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING,
Indian Institute of Technology, Kharagpur
Thesis: "Measuring Information Spread through Links in Social Media"
| Advisor: Prof. Niloy GANGULY
GPA: **9.53**/10.0
CLASS RANK (B. Tech): 3

JUNE 2009
Certificate from West Bengal Council of Higher Secondary Education (XII)
School: **Narendrapur Ramakrishna Mission Vidyalaya**, Narendrapur
FINAL PERCENATGE: 90.5 %

JUNE 2007
Certificate from West Bengal Board of Secondary Education (X)
School: **Asansol Ramakrishna Mission High School**, Asansol
FINAL PERCENATGE: 98.13 %
CLASS RANK: 1

PROFESSIONAL EXPERIENCE

FALL 2017
Graduate Student Instructor
Data Structures and Algorithms (EECS 281)
University of Michigan
| Instructors: Prof. David PAOLETTI, Prof. Marcus DARDEN and Prof. Igor MARKOV

FALL 2016
WINTER, SUMMER 2017
Graduate Student Research Assistant
School of Information, University of Michigan
| Adviser: Prof. Eytan ADAR

SUMMER 2016
Data Science Intern at **Betaworks**, New York.
Team: Scalemodel | Supervisor: Gilad LOTAN

WINTER 2016	Graduate Student Instructor Introduction to Machine Learning (EECS 445) University of Michigan │ Instructor: Prof. Jenna WIENS
SUMMER, FALL 2015	Graduate Student Research Assistant School of Information, University of Michigan │ Adviser: Prof. Eytan ADAR
WINTER 2015	Graduate Student Instructor Introduction to Machine Learning (EECS 445) University of Michigan │ Instructor: Prof. Jenna WIENS
SUMMER, FALL 2014	Graduate Student Research Assistant School of Information, University of Michigan │ Adviser: Prof. Eytan ADAR
SUMMER 2012	Software Engineering Intern at **Google**, Hyderabad. Team: Dasher security │ Supervisor: Rodney MARTIS
SUMMER 2011	Intern at **Indian Statistical Institute**, Kolkata Project title: "An Approximation Algorithm for Guard Placement in Cluster Connecting Problem in a 1.5 Dimensional Terrain" │ Supervisor: Prof. Subhas NANDY

PUBLICATIONS

1. Datta, Srayan, Chanda Phelan and Eytan Adar. "Identifying Misaligned Inter-Group Links and Communities." *Proc. ACM Hum.-Comput. Interact.1, 2, Article 37* (November 2017).

2. Datta, Srayan and Eytan Adar. "COMMUNITYDIFF: Visualizing Community Clustering Algorithms." *Transactions of Knowledge Discovery and Data* (2017).

3. Datta, Srayan, Ceren Budak and Daniel M. Romero. "From Local Popularity to Global Influence: A Computationally Effective Heuristic for Influence Maximization." *International Conference on Computational Social Science* (2016).

4. Adar, Eytan and Srayan Datta. "Building a Scientific Concept Hierarchy Database (SCHBASE)." *Association for Computational Linguistics* (2015).

5. Datta, Srayan. "Predicting Central Topics in a Blog Corpus from a Networks Perspective." *arXiv preprint arXiv:1405.2386* (2014).

ACADEMIC ACHIEVEMENTS AND SCHOLARSHIPS

- Ranked 9th in class X examination (2007) in my state (West Bengal), topper of my school.

- Awarded of NTSE (National Talent Search Examination) scholarship in the year 2007.

- Awarded Mamraj Agarwal Rashtriya Puraskar on the basis of my performance in the Madyamik (class X, 2007) examination.

- Eligible for KVPY (Kishore Vaigyanik Protsahan Yojana, Young Scientist Encouragement Program) in 2008.

- Participated in Indian National Chemistry Olympiad 2009 on the basis of my performance in NSEC-2008 (National Standard Examination in Chemistry).

- Awarded certificate of merit for being placed in 'state-wise top 1%' in National Standard Examination in Physics (NSEP) in the year 2008.
- Awarded the certificate for distinctive performance and received school topper medal in 11th National Science Olympiad 2008.

Projects and Competitions

Winter 2017	Extracting and comparing Carbon Emission data for Environmental Social Governance (ESG). Adviser: Prof. Eytan Adar (*as part of a larger team*)
Fall 2016	Extracting Numerical Relations from News articles using Phrase Dependency Trees. Adviser: Prof. Eytan Adar
Fall 2015	Comparison of Non Convex Clustering Methods Based on Random Walk (Machine Learning Course project) Collaborators: Abhilash Dighe, Vatshank Chaturvedi
Winter 2014	Replication and extension of " S. A. Macskassy, *'Using Graph-based Metrics with Empirical Risk Minimization to Speed Up Active Learning on Networked Data,'* in Proceedings of the 15th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, ser. KDD '09"
Spring 2013	**"Understanding of Viral Videos"** Collaborators: Rhicheek Patra, Arohi Kumar | Supervisor: Parantapa Bhattacharya
Spring 2013	**Twitminer**: A Classifier to Differentiate between Sports and Politics Tweets *as part of Twitminer competition organised by Indian Intistute of Science* Collaborator: Rhicheek Patra All India Rank: 8 with 94.89% accuracy
Spring 2013	**Quoracle**: A Plug-in to Show Best Yahoo Answers in Search-page *as part of Yahoo Hackathon in Indian Institute of Technology, Kharagpur* Collaborators: Arohi Kumar, Chitresh Sinha, Rajesh Ranjan
Autumn 2012	**Water Demarking**: Removing Visible Dull and Distinct Watermarks Collaborator: Chitresh Sinha
Autumn 2011	**Wikitravel Offline Search**: An Offline Search Engine supporting Boolean Retrieval, Multiple Word Query and Short Summary Window *as part of a group project*

Computer Skills

Languages:	Python, Java, C, C++, Javascript, PHP, HTML, MySQL
Platforms:	Windows, Linux (Ubuntu and Fedora), Macintosh

Extra-curricular Activities

1. I was the **Captain of Bengali Dramatics** at Nehru Hall of Residence, IIT Kharagpur (session 2012-2013). I regularly took part in elocution and drama in inter-hall competitions for my hall. I have acted in gold and silver winning inter-hall Bengali dramas.
2. I was an active member of **Bengali Technology Dramatic Society** (BTDS) from 2009 to

2013 and have acted in several dramas.

3. I held the post of **Library Undersecretary** at Nehru Hall of Residence, IIT Kharagpur during the academic session 2010-2011.

4. I am a member of **Phi Kappa Phi** and **Tau Beta Pi** Engineering Honour Societies.