



Avijit Gayen

Research Scholar in CSE Dept, IIT Patna

Under Supervision of Dr. Joydeep Chandra, Asst. Professor, CSE, IIT Patna

CONTACT DETAILS

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CAREER OBJECTIVE

To be an academician in the field of technology where I want to devote myself as a researcher and a good teacher to help the students to grow and prepare them as it is required in the modern technological scenario.

CURRENT RESEARCH ACTIVITY

I am working on information diffusion and trust dynamics in online social Networks & Collaboration Networks. The main objective of our current research is to reveal the importance of trust in network spreading. Further we aim to analyze the trust dynamics and the role it plays in information propagation and node influentiality in online social and professional scientific collaboration networks.

PREVIOUS RESEARCH EXPERIENCE

I have worked in the field of mobile network, specifically in Nested Network MObility(NEMO Basic support protocol) where I have tried to design a new NEMO protocol title as “Seamless NEMO Protocol (SNEP): An Efficient Protocol to provide Internet Connectivity in NEMO”.

AREAS OF INTEREST

Online social Networks, Mobile and sensor Network, IoT, Machine Learning etc.

EXPERTISE OF RESEARCH TOOLS

LATEX, MATLAB, PYTHON, GEPHIE, GNU PLOT etc.

HANDS ON EXPERINCE

Research methods, handling large data set, Designing databases, Data interrogation, Statistical analysis, Data mining etc.

ACADEMIC QUALIFICATION

Degree	Year of Passing	University / Board	Name of College / university	Marks Obtained (%)
PhD(in CSE) Pursing	Enrolled in July 2013	IIT Patna		Writing Thesis (Tentatively submitting by end in February 2018)
M.E (Software Engg.)	2013	Jadavpur University	Department of Information Technology	CGPA 8.39
B.Tech(IT)	2004	Kalyani University	ST. Thomas' College of Engg.& Tech.	74.77
HS	2000	WBCHSE	Fatepur Sreenath Institution	81.40
Madhayamik Pariksha	1998	WBBSE	Bishnupur Sikha Sangha	82.75

ACHIVEMENTS

- Fellowship Award for PhD @ IIT Patna, 2013 from MHRD, Govt. of India.
- GATE qualified 2011
- Placed in Top 100 Merit List of Madhyamik Pariksha 1998

INTERNATIONAL CONFERENCE

- ❖ Avijit Gayen, Maitry Bhavsar and Joydeep Chandra, Towards a Social Trust Based Measure of Scientific Productivity, ASONAM 2017, Sydney, Australia.
- ❖ Arpita Bhattacharya, Sourav Das, Avijit Gayen and Nilotpal Chakraborty, HAP: Hierarchical Attachment Process For Mobile Nodes In Nested Network Mobility, IEEE TENSYPMP 2017, Cochin, India
- ❖ Avijit Gayen and Joydeep Chandra, Role of Trust in Evolution of Scientific Collaboration Networks, SocialCom, 2014, Beijing, China.

INTERNATIONAL JOURNAL

- ❖ Avijit Gayen, Avik Mitra, Smritilekha Das, "SLNEMO: An Efficient Protocol to provide Internet Connectivity in NEMO", International Journal of Research and Scientific Innovation, Volume II Issue X,2015

TALK @ PHD FORUM

- ❖ Title of Talk: *Effects of Trust on network evolution and information propagation in Online Social Networks @ 6th International Conference, COMSNET 2014*

WORK UNDER REVIEW

- ❖ **Avijit Gayen** Ryan Sequeria and Joydeep Chandra, Uncovering the Effect of Social Trust in Evolution of Scientific Collaboration Network.
- ❖ **Avijit Gayen** Ryan Sequeria, Sourav Kuman Dandapat and Joydeep Chandra, Identifying Masqueraders Promoting Prescription Drug Abuse Using Social Media Streams.
- ❖ **Avijit Gayen**, Ryan Sequeria, Joydeep Chandra, *t*-index: A trust-based metric to measure authors' scientific productivity

CURRENT ON GOING RESEARCH

- ❖ **Avijit Gayen**, Ryan Sequeria, Joydeep Chandra, Predicting Future Scientific Productivity Based on *t*-index
- ❖ **Avijit Gayen**, Arpita Bhattacharya, Sourav Das and Nilotpal Chakraborty, HISC NEMO: High Scalability In Network Mobility Using Hierarchical Attachment Approach.

COURSES TAKEN IN TEACHING ASSISTANTSHIP

C, Network, OS.

INTERNATIONAL CONFERENCE & WORKSHOP ATTENDED

- ❖ ICTS-Northeastern Discussion Meeting on Games, Epidemics and Behavior at ICTS, Bengaluru from Jun 27 - Jul 1, 2016.
- ❖ 29th IEEE Conference , IPDPS 2015, Hyderabad, India
- ❖ Workshop on Machine Learning and Complex Network, MLCN 2015, IITKGP
- ❖ 6th International Conference, COMSNET 2014, Bangalore, India
- ❖ Workshop on “High dimensional Network Analytics” 2013, IISC Bangalore, India

Previous Work Experiences:

Name of the Institute	Designation	Tenure
SYAMA PRASAD COLLEGE (CALCUTTA UNIVERSITY)	Lecturer	(20.07.2006 to 22.07.2013)
SITM(WBUT Affiliated)	Lecturer (Visiting)	(01.08.2006-28.02.2010)
IIMS, Uluberia (WBUT Affiliated)	Lecturer (Visiting)	(19.01.2007 to 31.03.2007)
STUDENTS' GALLERY (MAHATAMA GANDHI UNIVERSITY Affiliated)	Lecturer	(05.09.2004 to 30.06.2006)
GEORGE COLLEGE OF MANAGEMENT AND SCIENCE (WBUT affiliated)	Lecturer	(01.08.2004 to 31.08.2005)

MEMBER OF PROFESSIONAL ORGANIZATION: IEEE Student Member

HOBBIES AND EXTRA CURICULAM ACTIVITIES

- ❖ Traveling and Listening music.
- ❖ Active member of Social Welfare Organization.