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Research Interests	• Smartphone Computing, Sensor Data Analysis

Academic Background

- **Doctor of Philosophy - Computer Science and Engineering** January 2016 – Present
  Indian Institute of Technology, Kharagpur
  Supervisors: Dr. Sandip Chakraborty, Dr. Bivas Mitra

- **Bachelor of Technology - Computer Science and Engineering** July 2009 – June 2013
  National Institute of Technology, Durgapur
- **Higher Secondary Examinations (10+2)** April 2007 – May 2009
  D.A.V. Model School, IIT, Kharagpur(CBSE)
- **Secondary Examination** May 2007
  D.A.V. Model School, IIT, Kharagpur(CBSE)

Professional Experience

- **Webmaster**
  ACM IMOBILE
- **Web Chair** 2018
  MobiCom 2018
- **Web Chair** 2017-18
  COMSNETS 2018
- **Research Scholar** March, 2015 – Present
  Department of Computer Science and Engineering
  Indian Institute of Technology Kharagpur
- **Software Development Engineer** July, 2013 – February, 2015
  Schneider Electric India Pvt. Ltd., Bangalore

Teaching Experience

- **Teaching Assistant, IIT Kharagpur**
  Computing Lab Spring 2018, Spring 2019
  Smartphone Computing Autumn 2017
  Computer Networks Lab Autumn 2016
  Programming and Data Structure Spring 2016, Spring 2017, Autumn 2018

Awards

- Recipient of **TCS Research Fellowship - 2016**
- Recipient of **Pat on The Back Award - 2013**, for contributions to Ecodial at Schneider Electric India Pvt. Ltd.
- Recipient of **Student of the Year Award - 2009**, at D.A.V. Model School, IIT, Kharagpur.

Publication: Journals

J1. **Rohit Verma**, Aviral Shrivastava, Kingshuk De, Bivas Mitra, Sujoy Saha, Niloy Ganguly, Subrata Nandi, and Sandip Chakraborty " A Smartphone-based Passenger Assistant for Public Bus Commute in Developing Countries". In:IEEE Transactions on Computational Social Systems, 2019

J2. Sujoy Saha, Subrata Nandi, **Rohit Verma**, Satadal Sengupta, Kartikeya Singh, VivekSinha, and Sajal K. Das. "Design of Efficient Lightweight Strategies to Combat DoS Attack in Delay Tolerant Network Routing". In:Wireless Networks 24(1), 173-194, 2018 (Link)

J3. Sujoy Saha, **Rohit Verma**, Somir Saika, Partha Sarathi Paul, and Subrata Nandi."e-ONE: Enhanced ONE for Simulating Challenged Network Scenarios". In:Journal of Networks9.12, pp. 3290–3304, 2014.(Link)

Publications: Conference Proceedings

C1. **Rohit Verma**, Bivas Mitra and Sandip Chakraborty, "Avoiding Stress Driving: Online Trip Recommendation from Driving Behavior Prediction", in proc. of 2019 IEEE International Conference on Pervasive Computing and Communications (PerCom 2019)(Link)

C2. **Rohit Verma**, Gyanesha Prajjwal, Bivas Mitra and Sandip Chakraborty, "Mining Spatiotemporal Data for Computing Driver Stress and Observing Its Effects on Driving Behavior", in proc. of the 26th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2018)(Link)

C3. **Rohit Verma**, Surjya Ghosh, Mahankali Saketh, Niloy Ganguly, Bivas Mitra and Sandip Chakraborty, "ComfRide: A Smartphone based System for Comfortable Public Transport Recommendation", in proc. of the 12th ACM Conference on Recommender Systems(RecSys 2018)(Link)

C4. **Rohit Verma**, Surjya Ghosh, Niloy Ganguly, Bivas Mitra and Sandip Chakraborty, "Smartphone based Spatio-temporal Sensing for Annotated Transit Map Generation", in proc. of the 25th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2017)(Link)

C5. **Rohit Verma**, Surjya Ghosh, Aviral Shrivastava, Niloy Ganguly, Bivas Mitra and Sandip Chakraborty, "Unsupervised Annotated City Traffic Map Generation", in proc. of the 24th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2016)(Link)

C6. **Rohit Verma**, Aviral Shrivastava, Sandip Chakraborty, and Bivas Mitra. "Margdarshak: A Mobile Data Analytics based Commute Time Estimator cum Route Recommender". In: 3rd International Workshop on Physical Analytics, Singapore, June 26, 2016.(WPA 2016)(Link)

C7. **Rohit Verma**, Aviral Shrivastava, Bivas Mitra, Sujoy Saha, Niloy Ganguly, Subrata Nandi and Sandip Chakraborty, "UrbanEye: An Outdoor Localization System for Public Transport", in proc. of the 35th Annual IEEE International Conference on Computer Communications (IEEE INFOCOM 2016), San Fransisco, CA, USA, April 10-15, 2016(Link)

C8. Sujoy Saha, Vijay Kumar Shah, **Rohit Verma**, Ratna Mandal, and Subrata Nandi. "Is it worth taking a planned approach to design ad hoc infrastructure for post disaster communication?" In: Proceedings of the seventh ACM international workshop on Challenged networks. ACM, pp. 87–90, Instanbul, Turkey, 2012.(Link)

C9. Saha, Sujoy, **Rohit Verma**, Satadal Sengupta, Vineet Mishra, and Subrata Nandi. "SRSnF: A Strategy for Secured Routing in Spray and Focus Routing Protocol for DTN". In: Advances in Computing and Information Technology. Springer Berlin Heidelberg, pp. 159-169, Chennai, India, 2012.(Link)