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Rohit Verma

Objective	I intend to establish myself in the field of Computer Science research and its application through a long time commitment

Research Interests

- Mobile Computing

Academic Background

- **Doctor of Philosophy - Computer Science and Engineering**   January 2016 – Present

  Indian Institute of Technology, Kharagpur

- **Bachelor of Technology - Computer Science and Engineering**   July 2009 – June 2013

  National Institute of Technology, Durgapur
  CGPA: 8.62/10

- **Higher Secondary Examinations (10+2)**   April 2007 – May 2009

  D.A.V. Model School, IIT, Kharagpur(CBSE)
  Aggregate Percentage: 93.4%

- **Secondary Examination**   May 2007

  D.A.V. Model School, IIT, Kharagpur(CBSE)
  Aggregate Percentage: 93.5%

Professional Experience

- **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

Projects

- **Outdoor Localization in Public/Private Transport**   March 2015 – Present

  Department of Computer Science and Engineering
  Indian Institute of Technology, Kharagpur

- **Ecodial Advanced Calculation**   July 2013 – February 2015

  Schneider Electric India Pvt. Ltd.
  Bangalore

- **Delay Tolerant Networking and its Applications**   December 2010 – May 2013

  Department of Computer Science and Engineering
  National Institute of Technology, Durgapur

- **Analyzing a Fastest Path Algorithm for Spatio-Temporal Networks**   May 2012 – July 2012

  Department of Computer Science and Engineering
  Indian Institute of Technology, Durgapur

- **Delay Tolerant Network and its Application in Post Disaster Management**   May 2011 – July 2011

  Department of Computer Science and Engineering
  Indian Institute of Technology, Durgapur

Achievements	- 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. Saha, Sujoy, Subrata Nandi, **Rohit Verma**, Satadal Sengupta, Kartikeya Singh, VivekSinha, and Sajal K. Das. Design of Efficient Lightweight Strategies to Combat DoSAttack in Delay Tolerant Network Routing. In:Wireless Networks (In Press)

J2. Saha, Sujoy, **Rohit Verma**, Somir Saika, Partha Sarathi Paul, and Subrata Nandi.e-ONE: Enhanced ONE for Simulating Challenged Network Scenarios. In:Journalof Networks9.12, pp. 32903304, 2014.

Publications: Conference Proceedings

C1. **Rohit Verma**, Surjya Ghosh, Mahankali Saketh, Niloy Ganguly, Subrata Nandi, Bivas Mitra and Sandip Chakraborty, "ComfRide: A Smart-phone App for Comfortable Public Transport Recommendation", in proc. of the IEEE International Conference on Pervasive Computing and Communications 2017 (Communicated)

C2. **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)

C3. **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.

C4. **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

C5. Saha, Sujoy, 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. 8790, Instanbul, Turkey, 2012.

C6. 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

Personal Profile

- **Name:** Rohit Verma
- **Father's Name:** Sushil Kumar Verma
- **Mother's Name:** Rajni Verma
- **Sex:** Male
- **Date of Birth:** 24th June, 1990
- **Nationality:** Indian
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