

**Address:** Department of Computer Science and Engineering  
Indian Institute of Technology Kharagpur,  
Kharagpur 721 302, West Bengal, India.  
**Mobile:** +91 9474096397 +91 8884290005  
**Website:** (<https://rohit246.github.io>)  
**E-mail:** rohitverma.kgp@gmail.com

## Rohit Verma

---

<b>Objective</b>	I intend to establish myself in the field of Computer Science research and its application through a long time commitment		
<b>Research Interests</b>	<ul style="list-style-type: none"><li>• Mobile Computing</li></ul>		
<b>Academic Background</b>	<ul style="list-style-type: none"><li>• <b>Doctor of Philosophy - Computer Science and Engineering</b></li></ul>	January 2016 – Present	
	<i>Indian Institute of Technology, Kharagpur</i> Supervisors: Dr. Sandip Chakraborty, Dr. Bivas Mitra		
	<ul style="list-style-type: none"><li>• <b>Bachelor of Technology - Computer Science and Engineering</b></li></ul>	July 2009 – June 2013	
	<i>National Institute of Technology, Durgapur</i> CGPA: 8.62/10		
	<ul style="list-style-type: none"><li>• <b>Higher Secondary Examinations (10+2)</b></li></ul>	April 2007 – May 2009	
	<i>D.A.V. Model School, IIT, Kharagpur(CBSE)</i> Aggregate Percentage: 93.4%		
	<ul style="list-style-type: none"><li>• <b>Secondary Examination</b></li></ul>	May 2007	
	<i>D.A.V. Model School, IIT, Kharagpur(CBSE)</i> Aggregate Percentage: 93.5%		
<b>Professional Experience</b>	<ul style="list-style-type: none"><li>• <b>Research Scholar</b></li></ul>	March, 2015 – Present	
	<i>Department of Computer Science and Engineering</i> <i>Indian Institute of Technology Kharagpur</i>		
	<ul style="list-style-type: none"><li>• <b>Software Development Engineer</b></li></ul>	July, 2013 – February, 2015	
	<i>Schneider Electric India Pvt. Ltd.</i> <i>Bangalore</i>		
<b>Projects</b>	<ul style="list-style-type: none"><li>• <b>Smartphone based Navigation Assistance for Developing Countries</b></li></ul>	March 2015 – Present	
	<i>Department of Computer Science and Engineering</i> <i>Indian Institute of Technology, Kharagpur</i>		
	<ul style="list-style-type: none"><li>• <b>Ecodial Advanced Calculation</b></li></ul>	July 2013 – February 2015	
	<i>Schneider Electric India Pvt. Ltd.</i> <i>Bangalore</i>		
	<ul style="list-style-type: none"><li>• <b>Delay Tolerant Networking and its Applications</b></li></ul>	December 2010 – May 2013	
	<i>Department of Computer Science and Engineering</i> <i>National Institute of Technology, Durgapur</i>		
	<ul style="list-style-type: none"><li>• <b>Analyzing a Fastest Path Algorithm for Spatio-Temporal Networks</b></li></ul>	May 2012 – July 2012	
	<i>Department of Computer Science and Engineering</i> <i>Indian Institute of Technology, Durgapur</i>		
	<ul style="list-style-type: none"><li>• <b>Delay Tolerant Network and its Application in Post Disaster Management</b></li></ul>	May 2011	

**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. **Rohit Verma**, Aviral Shrivastava, Kingshuk De, Bivas Mitra, Sujoy Saha, Niloy Ganguly, Subrata Nandi, and Sandip Chakraborty, "Hecate: A Smartphone Based Navigation cum Alert System to Assist Travel in Public Buses". In: IEEE Transactions on Human-Machine Systems (Communicated)
- J2. Sujoy Saha, Subrata Nandi, **Rohit Verma**, Satadal Sengupta, Kartikeya Singh, Vivek Sinha, and Sajal K. Das. "Design of Efficient Lightweight Strategies to Combat DoS Attack in Delay Tolerant Network Routing". In: Wireless Networks (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 Networks 9.12, pp. 32903304, 2014. (Link)

**Publications:  
Conference  
Proceedings**

- C1. **Rohit Verma**, Surjya Ghosh, Niloy Ganguly, Bivas Mitra and Sandip Chakraborty, "Smart-phone 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)
- 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) (Link)
- 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. (WPA 2016) (Link)
- 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 Francisco, CA, USA, April 10-15, 2016 (Link)
- C5. 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. 8790, Istanbul, Turkey, 2012. (Link)
- 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. (Link)

**Personal  
Profile**

- **Name:** Rohit Verma
- **Father's Name:** Sushil Kumar Verma
- **Mother's Name:** Rajni Verma
- **Sex:** Male
- **Date of Birth:** 24<sup>th</sup> June, 1990
- **Nationality:** Indian
- **Permanent Address:** S.K. Verma, Mouza Mirpur, Gopalnagar, Jhapetapur, Kharagpur
- **Phone Number:** +91 9474096397(M), +91 8884290005(M)
- **Alternate Email:** rohit.verma@iitkgp.ac.in