

ROHIT KUMAR

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<http://rohit13k.github.io/>

RESEARCH INTEREST

Big Data, Data Stream Mining, Graph Stream Mining and Distributed Processing, Data Security and Privacy.

EDUCATION

Université Libre de Bruxelles (ULB), Belgium & Universitat Politècnica de Catalunya (UPC), Spain August 2014 - Now

- Joint PhD in Computer Science
- Advisor: Toon Calders & Alberto Abello
- Research Topic: Adaptive and Converging Graph Data Stream Mining

Chennai Mathematical Institute, India April 2008 - April 2011

- M.Sc in Computer Science
- Advisor: Madhavan Mukund
- Thesis Topic: Security aspects of online Assessment platform-Touchstone
- CGPA : 8.4

Hindu College Delhi University, India July 2004 - July 2007

- B.Sc(Hons) in Physics
- Percentage : 76

RESEARCH EXPERIENCE

ULB and UPC Aug 2014 - now
PhD candidate *Brussels, Belgium and Barcelona, Spain*

- Working on fraud detection in transaction data graph.
- Working on Apache GraphX and other Distributed Graph processing systems.
- Worked on Influence propagation and information flow mining in interaction networks.
- Worked on sketch based data structures for graph stream.

TCS - Tata Research Development and Design Center April 2011 - September 2011
Researcher *Pune, India*

- Worked on data privacy and data security.

JNCSAR, IISC, Bangalore 2004 - 2007
Summer Intern *Bangalore, India*

- Did two summer and one winter training in Nanoscience and research in general.
- Developed and experimented with new techniques to generate Zinc oxide Nanotubes.

PROFESSIONAL EXPERIENCE

Royal bank of Scotland June 2014 - July 2014
Software Designer *New Delhi, India*

- Worked as a software developer, developing new systems on Oracle Coherence.

Tata Consultancy Services

April 2013 - May 2014

Assistant Consultant

India

- Technical team lead for the development of an **Online Assessment** software.
- Client interaction and designing new offerings for education domain.
- Managed a team of 30 software developers.

Tata Consultancy Services

April 2011 - March 2013

IT Analyst

India

- Managed the technical aspects of expanding my master's thesis from in house incubation to a million dollar business for TCS.
- Developed and deployed the complete Eco-system of the online assessment platform in multi-tenant architecture for software as a service model.
- Managed a team of 10 software developers.

Tata Consultancy Services

Nov 2007 - March 2011

Assistant System Engineer

India

- Lead architect to develop and deploy the online assessment platform for TCS hiring throughout India.
- Performance and Security Lead for the online assessment platform.
- Taught **Algorithms** and **Java** to new employees as a part of learning and development program.

PUBLICATIONS

- Finding simple temporal cycles in an interaction network. ECML/PKDD 2017 (Workshop paper)
- Activity-Driven Influence Maximization in Social Networks. ECML/PKDD 2017 (Nectar Track)
- Cost Model for Pregel on GraphX. ADBIS 2017
- Information Propagation in Interaction Networks. EDBT 2017
- Location Influence in Location-based Social Networks. WSDM 2017
- Maintaining Sliding-Window Neighborhood Profiles in Interaction Networks. ECML/PKDD 2015

PATENTS

- System and method for automated competency assessment (US8915744) - Granted
- Secured Computer Based Assessment (US20140186812A1) - Applied
- Customized question paper generation (US20130084554) - Applied

TECHNICAL SKILLS

Programming	J2EE, Java, Scala, C++, R-basics
Databases	MySQL, Microsoft SQL, MongoDB, Oracle Coherence
Frameworks	Hadoop, Apache Spark, Apache Storm, Kafka, Struts 2, JDBC
Tools	SVN, CVS, github, Eclipse, RStudio, Octave, Matlab, gnuplot

AWARDS AND ACHIEVEMENTS

- FNRS Scholarship for Doctoral Research Study.
- Best Technical Lead Award in ACTion2013 in SMB iON, TCS.
- Special initiative Award by TCS in May 2013.
- Technical Excellence Award by TCS in March 2012.
- Innovation of the year award southern region in TATA Innovista 2011.
- Senior Diploma in Arts and Painting from Ankan Kala Bibhag, Ravindra Bharti University in 2006.