

# SOMDIP DEY

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## EDUCATION

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- The University of Manchester, UK** 2013 - 2014  
**M.Sc.** in Advanced Computer Science with specialization in **Computer Systems Engineering**  
Master's Dissertation: "**Efficient Data Input/Output (I/O) for Finite Difference Time Domain (FDTD) Computation on Graphics Processing Unit (GPU)**"
- St. Xavier's College (Autonomous), Kolkata, India** 2009 - 2012  
**B.Sc. (Hons.)** in Computer Science  
Bachelors Dissertation-cum-Project: "**An Online Journal Management System**" (Code Named XARC in College)

## WORK EXPERIENCE (FULL-TIME JOB)

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- ReMe Basket** May, 2017 - Present  
*Founder & Lead Developer* Manchester, UK
- Founded the mobile app startup
  - Invented, designed and developed the flagship product of the company
  - Managed and developed everything from marketing to content management
- Steanne Solutions Ltd.** September, 2014 - Present  
*Software Engineer* Manchester, UK
- Enhance and develop new data-driven applications & software in Windows Environment using C#(.NET Framework), Microsoft SQL Server 2008 and 2012 databases
  - Maintain, enhance the features and provide technical support to Geoworks7 (Software), which is the flagship product of the company
  - Document each module of the software developed, and provide training and support to the clients
  - Took ownership of individual projects and managed them without supervision
- Codeepy Inc.** October, 2014 - October, 2016  
*Co-Founder, CAO & Marketing Director* Manchester, UK
- Co-founded the software startup
  - Invented, designed and co-programmed the flagship products of the company such as Vispox, Share.it
  - Oversaw the administration of the company, managed the undertaken projects and lead the marketing strategies

## SELECTED WORK EXPERIENCE (PART-TIME JOBS)

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- IT Services, The University of Manchester** May-June, 2014  
IT Support Analyst at Personal Devices Support Desk Manchester, UK
- Rooprug, Kolkata** January, 2012 - June, 2013  
Technical Manager & Foreign Affairs' Officer Kolkata, India
- ThinkLABS, SINE, IIT Bombay** January - February, 2013  
Internship on 'Mobile Robotics' Mumbai, India
- St. Xavier's Computer Center, Kolkata** February - October, 2012  
Teaching & Research Associate Kolkata, India

## SELECTED VOLUNTARY WORK EXPERIENCE (TECHNOLOGY RELATED)

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<b>ACM XRDS (Crossroads), The ACM Magazine for Students</b> Department Editor	April, 2014 - December, 2015 New York, USA
<b>IEEE Standards Association (IEEE - SA)</b> Member of Revision Committee & Team Lead of sub-group of WG P23026	2012 - Present Piscataway, NJ, USA
<b>Microsoft Corporation India (Pvt) Ltd.</b> Student Partner	November, 2010 - July, 2013 Mumbai, India

## HIGHLIGHTED PUBLICATIONS AND PAPERS

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Research Profile available at Google Scholar: <http://scholar.google.co.uk/citations?user=KaCa2MgAAAAJ>  
ResearchGate Profile: [https://www.researchgate.net/profile/Somdip\\_Dey](https://www.researchgate.net/profile/Somdip_Dey)  
Published, authored and presented more than 30 research papers in international conferences and journals (**including IEEE & ACM publications**)

### Selected Publications

- Tanaya Gopal, Madhuri Subbaraju, Rashmi vivek Joshi, Somdip Dey, "MAR(S)2: Methodology to Articulate the Requirements for Security In SCADA", Proceedings of IEEE 2014 - Fourth International Conference on Innovative Computing Communication Technology (INTECH 2014), pp. 103-108.
- Somdip Dey, Sriram S. Ayyar, SB Subin, P.K. Abdul Asis, "SD-IES: An Advanced Image Encryption Standard", IEEE 2013 7th International Conference on Intelligent Systems and Control, Coimbatore, India, January 2013
- Somdip Dey, "New Generation of Digital Academic-Transcripts using encrypted QR Code<sup>TM</sup>", IEEE 2013 International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensing (iMac4s 2013), Kerala, India, March 2013
- Somdip Dey, Shalabh Agarwal, Asoke Nath, "Confidential Encrypted Data Hiding and Retrieval Using QR Authentication System", IEEE International Conference On Communication System and Network Technologies 2013 (CSNT-2013), Gwalior, India, April 2013

## AWARDS

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1. Winner of the 3scale Prize at Koding's Global Virtual Hackathon, 2014, as part of Team Codeepy.
2. Won the Course Rep of the Year: EPS award as part of the 2014 Student Union Awards of the University of Manchester.
3. Won the first prize in Engineering Ethics Skit at IEEE All India Student Congress 2012 (AISC 2012).
4. Won the Best Paper Award at IEEE 2012 Second International Conference on Digital Information Processing and Communications (ICDIPC2012) held at Klaipeda City, Lithuania, July 2012.
5. Won the Best Student Paper Award at International Conference on Emerging Trends in Computer and Information Technology (ICETCIT 2012), held at Coimbatore, India, May 2012.

## TECHNICAL SKILLS

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<b>Computer Languages</b>	C, C#, Java, Fortran (f90), CUDAFortran, Visual Basic, .NET (Framework)
<b>Proficient in</b>	C, C#
<b>Protocols, APIs &amp; Technologies</b>	XSLT, XML, JSON, CUDA Programming for GPGPU
<b>Web Technologies</b>	HTML, PHP, Javascript, CSS, Python/Django
<b>Databases</b>	MySQL (SQL, PL/SQL), Microsoft SQL Server (SQL, Stored Procedures)
<b>Mobile App Development</b>	Android (Native Apps.), Windows Phone
<b>UNIX Tools</b>	Vim, Emacs
<b>4th Generation Languages</b>	MatLab
<b>Scientific Softwares</b>	'Mathematica' Computational Software, OPNET Software
<b>Operating Systems</b>	Windows, UNIX (LINUX), MAC OS X
<b>Document Preparation Tools</b>	Latex

References on Request