

# Anupriya Tuli

Ph.D. Scholar | [anupriyat@iiitd.ac.in](mailto:anupriyat@iiitd.ac.in)

## EDUCATION

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### IIIT Delhi, India

PhD, Computer Science (Human-Centered Computing)

Advisors – Dr. Pushpendra Singh (IIIT – Delhi) and Dr. Neha Kumar (Georgia Tech)

2016 - Present

### Amity University Uttar Pradesh, India

Master of Technology in Information Technology

2013 - 2015

### Bhagat Phool Singh Mahila Vishwavidyalaya, Haryana, India

Bachelor of Technology in Information Technology

2009 – 2013

## EXPERIENCE

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**Research Assistant**, CODES Lab (IIIT Delhi, India) and TanDEm (Georgia Tech, USA). Led and collaborated on projects related to ICT4D with a focus on health and education of the marginalized population of India. Currently studying the context, investigating, designing, and collecting data for developing ICT based solution for menstrual health education.

2016 - Present

**Research Assistant**, Laser Electronics Support Division, Raja Ramanna Centre for Advanced Technology (RRCAT), Department Of Atomic Energy, Govt. of India. Developed Beamline Experimental Control Employing Motor Controller for Precision Positioning using Experimental Physics and Industrial Control System (EPICS) and VisualDCT. Led the design and development of the backend, database, and UI for the remote controller. Generated a set of EPICS prompt commands for the given stepper motor.

January - June 2015

**Research Assistant**, Department of Information Technology, Amity University Uttar Pradesh. Led and collaborated on various empirical studies at the intersection of cloud computing and software engineering with an extensive focus on literature review.

August 2013 –  
December 2014

**Research Assistant**, SATSaNG Project, Centre for Railway Information System (CRIS), Delhi, India. Research, conception, design and development of Maintenance Application for Newly Added Trains (MANAT) to provide a budget estimation.

May - July 2014

## ACTIVE PROJECTS

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| ▪ Investigating and designing strategy for measuring smartphone literacy of semi-literate and illiterate population of India to facilitate personalized mobile literacy training  | 2018 - Present |
| ▪ Designing an ICT based solution for disseminating menstrual health education for the middle class urban and peri-urban population in India. Collaborating with SachhiSaheli, primer field practitioner in the domain (Project Lead)   | 2017- Present  |
| ▪ Designing a mobile-based system for the patients and the caregivers of Schizophrenia for the facilitation of management of the illness management. Working in collaboration with the Department of Psychiatry, All India Institute of Medical Sciences (AIIMS), Delhi. (Project Lead) | 2016 - Present |

## PEER-REVIEWED RESEARCH

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|---|------|
| 1. <b>Anupriya Tuli</b> , Shruti Dalvi, Neha Kumar, and Pushpendra Singh. 2019. "It's a girl thing": Examining Challenges & Opportunities around Menstrual Health Education in India. <i>ACM Transactions on Computer-Human Interaction</i> . 26, 5, Article 29 (July 2019), 24 pages. [doi: <a href="https://doi.org/10.1145/3325282">10.1145/3325282</a> ]  | 2019 |
| 2. <b>Anupriya Tuli</b> , Shaan Chopra, Neha Kumar, and Pushpendra Singh. 2018. Learning from and with Menstrupedia: Towards Menstrual Health Education in India. <i>Proceedings of ACM Human - Computer Interaction</i> . 2, CSCW, Article 174 (November 2018), 20 pages. [doi: <a href="https://doi.org/10.1145/3274443">10.1145/3274443</a> ]  | 2018 |
| 3. Koushik Sinha Deb, <b>Anupriya Tuli</b> , Mamta Sood, Rakesh Chadda, Rohit Verma, Saurabh Kumar, Ragul Ganesh, and Pushpendra Singh. 2018. Is India ready for mental health apps (MHApps)? A quantitative-qualitative exploration of caregivers' perspective on smartphone-based solutions for managing severe mental illnesses in low resource settings. <i>PLOS ONE</i> . [doi: <a href="https://doi.org/10.1371/journal.pone.0203353">10.1371/journal.pone.0203353</a> ]                        | 2018 |
| 4. <b>Anupriya Tuli</b> , Pushpendra Singh, Mamta Sood, Koushik Sinha Deb, Siddharth Jain, Abhishek Jain, Manan Wason, Rakesh Chadda, and Rohit Verma. 2016. Harmony: Close Knitted mHealth Assistance for Patients, Caregivers and Doctors for Managing SMI. <i>ACM Proceedings of International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct (UBICOMP/ISWC '16)</i> . Heidelberg, Germany. [doi: <a href="https://doi.org/10.1145/2968219.2968301">10.1145/2968219.2968301</a> ] | 2016 |
| 5. <b>Anupriya Tuli</b> , Rajiv Jain, and H. S. Vora. 2015. Development of EPICS Based Beamline Experimental Control Employing Motor Controller for Precision Positioning. <i>Proceedings of Indian Particle Accelerator Conference, InPAC-2015, Department of Atomic Energy, Tata Institute of Fundamental Research</i> . Mumbai, India. [doi: <a href="https://doi.org/10.1145/47048513">47048513</a> ]   | 2015 |

6. Megha Sharma, Nitasha Hasteer, **Anupriya Tuli**, and Abhay Bansal. 2014. Investigating the inclinations of research and practices in Hadoop: A Systematic Review. *Proceedings of 5th International Conference, Confluence 2014: The Next Generation Information Technology Summit*. IEEE. [doi: [10.1109/CONFLUENCE.2014.6949381](https://doi.org/10.1109/CONFLUENCE.2014.6949381)] 2014
7. **Anupriya Tuli**, Nitasha Hasteer, Megha Sharma, and Abhay Bansal. 2014. Empirical Investigation of Agile Software Development: A Cloud Perspective. *ACM SIGSOFT*, Volume 39, Issue 4. [doi: [10.1145/2632434.2632447](https://doi.org/10.1145/2632434.2632447)] 2014
8. **Anupriya Tuli**, Nitasha Hasteer, Megha Sharma, and Abhay Bansal. 2014. Framework to Leverage Cloud for the Modernization of the Indian Agriculture System. *Proceedings of EIT 2014: IEEE International Conference on Electro/Information Technology*. Milwaukee, USA. [doi: [10.1109/EIT.2014.6871748](https://doi.org/10.1109/EIT.2014.6871748)] 2014
9. **Anupriya Tuli**, Nitasha Hasteer, Megha Sharma, and Abhay Bansal. 2013. Exploring Challenges in Mobile Cloud Computing: An Overview. *Proceedings of 4th International Conference, Confluence 2013: The Next Generation Information Technology Summit*. IEEE. [doi: [10.1049/cp.2013.2364](https://doi.org/10.1049/cp.2013.2364)] 2013

## PEER-REVIEWED WORKSHOPS & POSTERS

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1. **Anupriya Tuli**, Pushpendra Singh. 2018. Taking a Feminist Road to Menstrual Health Education Practices in India. *Design for Sexual Wellbeing*. Workshop paper. CHI'18, Montréal, Canada. 2018
2. **Anupriya Tuli**, Pushpendra Singh. 2018. Exploring Use of Mobile Technology for Supporting Individuals with Schizophrenia in India. *The 3rd Symposium on Computing and Mental Health*. Symposium paper. CHI'18, Montréal, Canada. 2018
3. **Anupriya Tuli**, Pushpendra Singh. 2017. In Quest of Seeking Attention of Individuals with Schizophrenia. *Designing for curiosity workshop*. Workshop Paper. CHI'17, Denver, USA. 2017

## SERVICES

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- Reviewer, ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW'19) 2019
- Mentor, Problem Discovery Track, Ideas 2 Serve (I2S ' 19), Georgia Tech 2019
- Travel Chair, Information and Communication Technology and Development (ICTDX'19) 2019
- Design Chair, Research Showcase, IIIT-Delhi (RS' 17) 2017

## TALKS & PRESENTATIONS

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- “Applying Thematic Analysis in Practice” (Guest Lecture in DES204 : Human Computer Interaction at IIIT Delhi) 2019
- “Understanding Feminist HCI Framework” (Guest Lecture in DES204 : Human Computer Interaction at IIIT Delhi) 2019
- “Introduction to HCI” (Guest Lecture in DES201 : Design Processes and Perspectives at IIIT Delhi) 2018
- “Introduction to HCI” (Summer School’ 18 workshop at IIIT Delhi) 2018
- “In Quest of Seeking Attention of Individuals with Schizophrenia” (Poster in workshop at CHI’ 17) 2017
- “Harmony: Close Knitted mHealth Assistance for Patients, Caregivers and Doctors for Managing SMIs” (Workshop at UbiComp’ 16) 2016
- “Development of EPICS Based Beamline Experimental Control Employing Motor Controller for Precision Positioning” ( Poster at Tata Institute of Fundamental Research ) 2015
- “Framework to Leverage Cloud for the Modernization of the Indian Agriculture System” (EIT ‘ 14) 2014
- “Exploring Challenges in Mobile Cloud Computing: An Overview” (Confluence’ 13) 2013

## AWARDS & HONORS

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- Visvesvaraya Ph.D. fellowship, Ministry of Electronics & Information Technology (MEITY), Government of India 2016 – Present
- Third position, Problem Discovery Track, Ideas 2 Serve (I2S ‘ 19), Georgia Tech 2019
- SIGCHI Gary Marsden Development Fund for ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW’ 18) 2018
- SIG Travel grant for ACM Conference on ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS’ 18) 2018
- ACM Student Scholarship for Grace Hopper Celebration India (GHCI’ 17) 2017
- Microsoft-Inria Joint Research Center student travel grant for ACM CHI Conference on Human Factors in Computing Systems (CHI’ 17) 2017

## TEACHING

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- Teaching Assistant for Mobile Computing (Monsoon Semester) 2019
- Teaching Assistant for Human Computer Interaction (Winter Semester) 2019
- Teaching Assistant for Design Drawing Visualization (Winter Semester) 2018
- Teaching Assistant for Computer Networks (Monsoon Semester) 2017
- Teaching Assistant for Operating Systems (Winter Semester) 2017
- Teaching Assistant for Data Structures & Algorithms (Summer & Refresher Module) 2016
- Teaching Assistant for Introduction to Engineering Design (Winter Semester) 2016