

Deepika Yadav

IIIT Delhi
Okhla Industrial Estate, Phase-III
deepikay@iiitd.ac.in

RESEARCH INTERESTS Solving real-world problems of marginalized communities in developing countries using Human Computer Interaction research. My current focus is on building low-cost, feasible and contextualized educational tools for community healthcare workers of India.

EDUCATION PhD in Computer Science (CGPA - 9.0) August 2014—Present
Indraprastha Institute of Information Technology (IIIT), Delhi, India

M.Tech in Computer Engineering (CGPA - 9.4) July 2010—June 2012
National Institute of Technology, Kurukshetra (NIT), Haryana, India

B.Tech in Computer Science (CGPA - 77.2%) July 2006—June 2010
ABES Engineering College, Ghaziabad, UP, India

AWARDS \$100,000, Bill & Melinda Gates Foundation Funding 2018
Google Travel Grant, WWW 2017
Microsoft Research Travel Grant, WWW 2017
Gary Marsden Student Development Fund, SIGCHI 2016
MHRD Scholarship for pursuing M.Tech July 2010—June 2012

PUBLICATIONS **Deepika Yadav**, Mayank Gupta, Malolan Chetlur, Pushpendra Singh “Automatic Annotation of Voice Forum Content for Rural Users and Evaluation of Relevance.” *Proceedings of the first conference on Computing & Sustainable Societies*. COMPASS, 2018.

Deepika Yadav, Pushpendra Singh, Vijay Kumar, Deepak Sood, Drishti Sharma, Mona Duggal, Kyle Montague, Delvin Varghese, Tom Bartindale, Madeline Balaam, Patrick Olivier, “*Sangoshthi*: Empowering Community Health Workers through Peer Learning in Rural India.” *Proceedings of the 20th international conference companion on World Wide Web*. ACM, 2017.

Deepika Yadav, “Low-Cost Mobile Learning Solutions for Community Health Workers.” *PhD Symposium of the 26th International Conference Companion on World Wide Web*. ACM, 2017.

Konstantinos Kazakos, Siddhartha Asthana, Madeline Balaam, Mona Duggal, Amey Holden, Limalemla Jamir, Nanda Kishore Kannuri, Saurabh Kumar, Amarendar Reddy Mamindla, Subhashini Arcot Manikam, GVS Murthy, Papreen Nahar, Peter Phillimore, Shreyaswi Sathyanath, Pushpendra Singh, Meenu Singh, Pete Wright, **Deepika Yadav**, Patrick Olivier, “A Real-Time IVR Platform for Community Radio.” *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*. ACM, 2016.

EXPERIENCE	Software Engineer Aricent, Gurgaon, India	Aug. 2012—April 2014
	Teaching Assistant, Mobile Computing IIIT Delhi, India	Winter—2018
	Teaching Assistant, Computer Networks IIIT Delhi, India	Monsoon—2017
	Teaching Assistant, Computer Networks IIIT Delhi, India	Winter—2015
	Teaching Assistant, Operating System IIIT Delhi, India	Monsoon—2014
	Teaching Assistant, OOPs in C++ NIT Kurukshetra, Haryana, India	Winter—2012
	Teaching Assistant, DBMS NIT Kurukshetra, Haryana, India	Monsoon—2011
INTERNSHIPS	One month internship on ITIL concepts in ONGC, New Delhi, India	June—2009
TECHNOLOGY SKILLS	Programming Languages: C, C++, Java, Python, Shell Scripting Web Backend Technologies: Django, MySQL, MongoDB Softwares & Tools: Freeswitch, Vagrant, Git, Android, Matlab, R Development Boards: Raspberry Pi, Intel Galileo gen 2, Arduino UNO, Zolerto Z1	
COURSES	Design Processes and Perspectives (Ongoing) User Experience Research & Prototyping (94.5%) (Coursera Course) Machine Learning (A-) Mobile Computing (B) Programming Cloud Services for Mobile Applications (A-) Smart Sensing for Internet of Things (A)	
COURSE PROJECTS	IoT based Noise Monitoring System Guide: Dr. Srikanth Saripalli Course -Smart Sensing for Internet of Things, Platform - Intel Galileo	Aug. 2015—Nov 2015
	Sentiment Analysis of Movie Reviews Guide: Dr. Richa Singh Course - Machine Learning, Platform - MATLAB	Aug. 2014—Nov. 2014
	Delhi Event Guide(A-) Guide: Dr. Pushpendra Singh Course - Programming Cloud Services for Mobile Applications, Platform-Android	Jan. 2015—April 2015
	Quiz Mania Guide: Dr. Vinayak Naik Course - Mobile Computing, Platform-Android	Aug. 2015—Nov. 2014

**INDUSTRIAL
PROJECTS**

Continental AEC+C2 Entry Demonstrator Nov. 2012—Aug 2013
Company: Aricent
This product is to provide connectivity between a smart phone having MirrorLink Server with the Head Unit having MirrorLink Client applications. Through MirrorLink application the display of the connected smart phone will be shown on the Head Unit of a car.

LTE Flexi Zone Micro Aug. 2013—April 2014
Company: Aricent
The product is to provide LTE service for micro cell covering very small area. It includes porting of existing features running on enodeB board for macro cell and development of new features to micro cell.

REFERENCES

Dr. Pushpendra Singh
Associate Professor
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Dr. Vijay Kumar
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SWACH (NGO), Panchkula, Haryana, India
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Dr. Malolan Chetlur
Master Inventor, Researcher
India Research Laboratory, Bangalore, IBM Research, India
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