

Anandatirtha Nandugudi

CONTACT INFORMATION	301B, Davis Hall, Computer Science and Engineering Department University at Buffalo The State University of New York, Buffalo	mobile: 714 584 7842 e-mail: ans25@buffalo.edu
RESEARCH INTERESTS	Mobile Computing, Personal Storage Clouds, Smartphone Sustainability, Minimal Interaction Crowd-Sourced systems, Largescale Programmable TestBeds.	
RESEARCH	I am a research assistant at PhoneLab, CSE, University at Buffalo. Research projects that I am currently working and have worked on in the past. <ul style="list-style-type: none">- Creating performant, reliable, available personal storage clouds using multiple personal devices.- Parking lot monitoring system using pocket sourced data.- Smartphone sustainability using discarded smartphones.- PhoneLab, A large programmable testbed.	
EDUCATION	University at Buffalo <i>Doctor of Philosophy</i> <ul style="list-style-type: none">• Expected graduation date: February 2015• Advisors: Professor Chunming Qiao and Professor Geoffrey Challen <i>Master of Science, Computer Science</i> RVCE, Bangalore University <i>BE, Electronics and Communication</i>	Fall 2010 – present Fall 2008 – 2010 August 1997 – 2001
PROFESSIONAL EXPERIENCE	Microsoft Research , Bangalore India <i>Intern</i> Optimizing 802.11 for real time traffic. AT&T Labs , Florham Park NJ <i>Intern</i> Creating efficient and available personal storage clouds using multiple personal devices. Intel , Portland OR <i>Intern</i> Evaluation of 4G LTE protocols using the OPNET simulator. University at Buffalo , Buffalo, NY <i>Research, Teaching Assistant</i> Fall 2010 – Modern Networking Concepts, Computer Science. Spring 2011 – Calculus and its applications, Mathematics. Spring 2012 – Computing and Numerical Methods for Engineers, Computer Science. Fall 2012 - Present – Research Assistant Nokia , Bangalore, India <i>Software Engineer</i> Design and development of desktop tools to configure and manage Symbian based mobile devices. Cisco Systems , Bangalore, India <i>Software Engineer</i> Design and development of Enhanced Device Interface, implementation of NETCONF specification. Huawei Technologies , Bangalore, India	May 2014 – Aug 2013 June 2013 – Aug 2013 July 2011 – Dec 2011 Fall 2010 – present October 2004 – January 2006 February 2006 – July 2008

PROGRAMMING Android Platform and Application development, Python, Java and C.

PUBLICATIONS

- Anandatirtha Nandugudi, Carl Nuessle, Geoffrey Challen, Emiliano Miluzzo and Yih-Farn Chen, **The PocketLocker Personal Cloud Storage Sytem**. In Proceedings of 6th International Conference on Mobile Computing, Applications and Services, MobiCASE 2014.
- Anandatirtha Nandugudi, Carl Nuessle, Geoffrey Challen, Emiliano Miluzzo and Yih-Farn Chen, **The PocketLocker Personal Cloud Storage Sytem**. Poster at NENS 2014.
- Anandatirtha Nandugudi, Taeyeon Ki, Carl Nuessle and Geoffrey Challen. **PocketParker: Pocketsourcing Parking Lot Availability**. In Proceedings of the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing.
- Geoffrey Challen, Scott Haseley, Anudipa Maiti, Anandatirtha Nandugudi, Guru Prasad, Mukta Puri and Junfei Wang. **The Mote is Dead. Long Live the Discarded Smartphone!** In HotMobile 2014, The 15th International Workshop on Mobile Computing Systems and Applications.
- Nandugudi, Anandatirtha, Anudipa Maiti, Taeyeon Ki, Fatih Bulut, Murat Demirbas, Tevfik Kosar, Chunming Qiao, Steven Y. Ko, and Geoffrey Challen. **PhoneLab: A Large Programmable Smartphone Testbed**. In Proceedings of First International Workshop on Sensing and Big Data Mining, pp. 1-6. ACM, 2013.
- A. Nandugudi, A. Maiti, F. Bulut, S. Batra, T. Ki, G. Challen, M. Demirbas, S. Ko, T. Kosar, C. Qiao. **Participant Behavior in PhoneLab**. *Third conference on the Analysis of Mobile Phone Datasets (NetMob 2013)*.
- A. Sanzgiri, A. Nandugudi, S. Upadhyaya, C. Qiao. **SESAME: Smartphone Enabled Secure Access to Multiple Entities**. *Computing, Networking and Communications (ICNC), 2013 International Conference on. IEEE, 2013*.
- R. Baldawa, M. Benedict, M. F. Bulut, G. Challen, M. Demirbas, J. Inamdar, T. Ki, S Y. Ko, T. Kosar, L. Mandvekar, A. Sathyaraja, C. Qiao, S. Zawicki. **PhoneLab: A large-scale Participatory Smartphone Testbed**. *Poster at NSDI 2012*.
- L. Mandvekar, A. Sathyaraja and C. Qiao. **Socially aware Single System Images**. *GENI Research and Educational Experiment Workshop, 2012*

TALKS

- “The PocketLocker Personal Cloud Storage System.” MobiCASE 2014, Austin, Tx, USA
- “The PocketLocker Personal Cloud Storage System.” Poster at NENS 2014, Cambridge, MA, USA
- “PocketParker: Pocketsourcing Parking Lot Availability.” UbiComp 2014, Seattle, WA, USA
- End of internship talk. Microsoft Research. Bangalore, India, 2014.
- “The Mote is Dead. Long Live the Discarded Smartphone!” HotMobile 2014, Santa Barbara, CA, USA
- End of internship talk. AT&T Labs Research. Morristown, NJ, USA, 2013.
- “Participant Behavior in PhoneLab”.Poster at NetMob 2013, Cambridge, MA, USA

REFERENCES

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Prof. Steven Y. Ko
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