Nipun Batra

Mobile and Ubiquitous Computing Ph.D. Lab
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Research Interests	Cyber Physical Systems, Machine Learning, Sensor Networks, Sustainability in Buildings, Visualization, Middleware

Education

Ph.D. Scholar, Computer Science (GPA 9.3/10)	Jan 2012-present
Indraprashta Institute of Information Technology, Delhi, India	
B.E. (Hons.), Computer Engineering (GPA 9/10)	2007-2011
Delhi College of Engineering, Delhi, India	

Honours and Awards

- TCS Research Ph.D. fellowship (covering tuition fees and stipend for 4 years, support for participation in 1 International conference and 2 Indian conferences and contingency, starting October 2012)
- Travel and Lodging grant for Microsoft Research Summer School 2012 and TCS TECS Week on Cyber Physical Systems 2012
- AUVSI's Student UAS Competition 2010: Systems Engineering Prize barrel and overall 10th place
- Department of Science and Technology (Govt. of India) Young Scientist Travel Grant (2009) (Full travel support for participation in AUVSI's Student UAS competition held at Maryland, USA)
- AUVSI's Student UAS Competition 2009: Director's award for best effort

Research Experience

Graduate Research Assistant	Jan 2012-present
Mobile and Ubiquitous Computing Group, IIIT Delhi	
Undergraduate Research Intern	Dec 2010-June 2011
Linux Android Network Systems Lab., DCE	
Undergraduate Research Engineering Intern	Dec 2008-July 2010
Unmanned Aircraft Systems Lab., DCE	

Industrial Experience

Software Analyst	June-Novemeber 2011
Royal Bank of Scotland, Gurgaon, India	
Engineering Intern	June-Aug 2010
Goldman Sachs Services, Bangalore, India	

Skills

Programming Languages: Python (+NumPy, Pandas, Matplotlib), C, C++, Java, Javascript, Matlab
Microcontroller Platforms: AVR, PIC
Web Frameworks: Django, Play, Flask, web.py
Operating Systems: Linux, Windows

Teaching

Teaching Assistant, Embedded Systems	Spring 2013
Head Teaching Assistant, Introduction to Programming	Fall 2012

Professional service	External Reviewer: ASONAM 2013, E-Energy 2013, ICDM 2013, Buildsys 2013