

Ravi Bhoraskar, Graduate Student, CSE
University of Washington, Seattle

Email: bhora@cs.washington.edu
Web: <http://ravi.bhoraskar.com>

EDUCATION

Master of Science (Sept 2012 – June 2014)

Computer Science and Engineering, University of Washington
Advised by Dr. Jaeyeon Jung and Prof. David Wetherall

B. Tech with Honors (2008 – 2012)

Computer Science and Engineering, IIT Bombay
Cumulative Performance Index (CPI) – 9.31 on a scale of 10

RESEARCH EXPERIENCE

Runtime security analysis of third-party components in mobile apps (June '13 - Present)

Microsoft Research, Redmond

Dr. Jaeyeon Jung and Prof. David Wetherall

- Using bytecode rewriting, assisted by static analysis, to automatically test android apps, to determine security and privacy issues in them.

SPARTA: Static Program Analysis for Reliable Trusted Apps (Sept '12 - Present)

Graduate Research

Prof. Michael Ernst and Prof. David Wetherall

- Investigating ways to strengthen security guarantees of Android applications, using static analysis

Sensing vehicle state and monitoring traffic using Smartphones (July '11 – Apr '12)

Undergraduate Thesis, IIT Bombay

Prof. Bhaskaran Raman & Prof. Puru Kulkarni

Improving accuracy of wifi based indoor localization systems using inertial sensors (May '11 – Jul '11)

Microsoft Research, India

Dr. Venkata Padmanabhan and Dr. Krishna Chintalapudi

Importance-aware Bloom Filter for set-membership queries on unbounded data streams (Jun '10 – Dec '10)

Boston University and IIT Bombay

Prof. Dhananjay Kulkarni (BU) & Prof. Puru Kulkarni (IITB)

Designing culturally appropriate games by drawing on Indian mythology (Dec '09)

Carnegie Mellon University and IIIT Hyderabad

Prof. Mathew Kam

AWARDS AND HONOURS

- Finalist at the **Qualcomm Innovation Fellowship**, awarded for outstanding research
 - **Gold Medals** in Indian National Physics Olympiad & Indian National Chemistry Olympiad
 - Awarded **scholarship** by **Univ. of Sydney** to attend Harry Messel International Science School, 2007
 - Awarded the **Kishore Vaigyanik Protsahan Yojana (KVPPY)** fellowship for the period 2006-2008
 - Awarded the **National Talent Search Examination (NTSE)** scholarship (India)
 - Awarded the **Institute Award** for Academic Excellence in the year 2010-2011 by IIT Bombay
 - Secured **All India Rank 13** in IIT-JEE 2008 (among 300,000 students)
 - **19th position** in India at the ACM – Inter Collegiate Programming Competition, 2010
-

ACTIVITIES

- Served on the undergraduate admissions committee, CSE, University of Washington
- Sing as a tenor with **University Singers**, choral ensemble at the University of Washington
- Worked in the on-board computing subsystem of Pratham, the Student satellite of IIT Bombay
- Popular Science talk on **Game Theory in Evolutionary Biology** at Annual Seminar Weekend, IITB
- Won **first prize** in inter-hostel debating championship. Represented IITB at two National Debates
- **Quizzing**: won **First Prize** at Convergence and **Third Prize** at Padarth (inter-college festivals)