Raghav Sethi

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Work Experience

Microsoft - India Development Center (May-July 2012)
- Interned with the Lync for Windows Phone team at Microsoft's Unified Communications (UC) group.
- Developed a tool that analysed UC server logs to automatically identify and track usage scenarios and determine coverage and hit rates for dogfood testing – this helped my team make data driven decisions on feature priorities, workflows and UI.
- Won 1st prize at the Microsoft Intern Hackathon for building a Windows 8 app that recommended entertainment events.

Teaching Assistant, Introduction to Programming (Aug-Dec 2011)
- Assisted first-year students during tutorials, labs and office-hours as part of the Introduction to Programming course. Also taught full-class lectures- Python references, hash tables, and algorithm optimization techniques.
- Presented with a letter of commendation for excellent work based on student & instructor feedback.

PreCog @ IIIT-D (May-July 2010)
- Interned with the PreCog research group on a project funded by the Dept of Information Technology. Govt. of India
- Part of a team that built tools to analyze relationships between named entities over time using open-source intelligence. Used graph theory, text mining and social network analysis techniques to develop frameworks for tools to help government agencies leverage open source intelligence.

Education

Completion Date	Institution	Degree	CGPA / %
(Expected 2013)	Indraprastha Institute of Information Technology, Delhi (**IIIT-Delhi**)	Bachelor of Technology in Computer Science and Engineering	9.29
2009	Springdales School, Dhaula Kuan	All-India Senior Secondary Certificate Examination	87.5%

Selected Awards

2012 **'Best App' at Microsoft's Windows Phone 7 App-a-thon @ IIT-Delhi** (Microsoft IDC)

Built a Windows Phone 7 app which served as a convenient native client to view upcoming entertainment events (from What's Next Up) on smartphones. Also built a private REST API on the server-side, and used Metro design principles to build a fast, usable Mango-compatible application. The app was adjudged first of the 50+ entries developed, and will be featured on the Windows Phone Marketplace post-acceptance.

2011 **'Most Useful' App at Yahoo HackU @ IIT-Delhi** (Yahoo! Research & Development)

Built a web-app in a 24-hour hackathon at Yahoo's largest ever HackU web+mobile application development competition. The web-app mashed up scraped data from group-buying deal websites and Zomato's restaurants API to help users make informed decisions about restaurant deals. The app was named 'Most Useful' of the 53 submissions from New Delhi's top colleges, including IIT-Delhi, DTU and NSIT.
(Article: http://developer.yahoo.com/blogs/ydn/posts/2011/11/hackstravaganza-at-iit-delhi/)

2008 **Principal's Award for Excellence in Computer Science** (Springdales School, DK)

Awarded to the most proficient student in a given area – was specifically recognized for representing my school at, and winning many inter-school competitions.

2007 **All India Rank 32 in JSTSE** (Department of Science and Tech., Govt. Of India)

Awarded a two-year scholarship for being in Top 50 All-India ranks of the Junior Science Talent Search Examination. The examination tested Physics, Chemistry, Maths and General Knowledge. The second round consisted of an interview with government officials.

Publications

2013 Conference Poster (to be published)

RAGHAV SETHI, NAVED ALAM, MAYANK PUNDIR AND PUSHPENDRA SINGH. Bounced - Improving Data Availability through Replication in P2P Networks, In *Fifth International Conference on Communication Systems and Networks (COMSNETS),* Bangalore, India.

2012 Conference Paper

DENZIL CORREA, ASHISH SUREKA AND **RAGHAV SETHI**. WhACKY! - What Anyone Could Know About You from Twitter, In *Proceedings of the Tenth Annual Conference on Privacy, Security and Trust (PST),* Paris, France.

Selected Projects

2012 Bounced : Delay-tolerant filesharing for low-availability wireless networks

Designed application-layer protocol and developed the client (C#) and server (Node.js) application for an intelligent filesharing network that allows users to request download of files currently unavailable on the network (but existing at an offline node). Bounced caches requests for offline files and replicates the requested data on the user's friend nodes as soon as the file is online to intelligently increase file availability. The project is currently being deployed. Bounced won the **Best Project Award** for the Computer Networks course at IIIT-D.

2011 What's Next Up : Cutting information overload by leveraging social information

Developed a web application using the Google App Engine/Java stack. What's Next Up is an entertainment event aggregator, recommendation and filtering service. It offers a dead-simple way to easily view entertainment events across multiple categories (sports events, concerts, TV episodes etc.) that are personalized for the logged-in user. This project is under active development, and **already has 600+ users and some press** to its credit. (Web: http://www.whatsnextup.com/)

2010 RightFare : Empowering autorickshaw passengers using simple geographic services

Conceived of a simple SMS-based system to help passengers in determining the approximate autorickshaw fare between any two geographic locations using SMS. RightFare used the Google Maps API to allow passengers to bargain more effectively, check for meter fraud and ensure that the shortest path to destination is taken. This was then developed into a **commercial product** by a Bangalore-based company – Ideophone.
(Product: http://www.ideophone.in/products/sms/)

2010 mySearch : Word-sense Disambiguation Using Social Information

Developed a mechanism for identifying the word-sense of search terms entered into a search engine using interest information from Facebook's social graph. Used basic machine-learning techniques to identify and utilise pertinent data and make predictions as to the intended sense of a search term. The application was written in Python and won the **Infinity Award** for 'effort, innovation, originality and thought process involved in the project' in the Probability and Statistics course at IIIT-D.

Skills and Interests

PROGRAMMING LANGUAGES	Java, C#, Python, JavaScript, C
TOOLS + TECHNOLOGIES	Node.js, MongoDB, jQuery, Google App Engine, ASP.NET MVC, Mercurial, Java Server Pages, RESTful-design, SQL, HTML + CSS, Visual Studio, Eclipse, Django, ORA, Joomla/Drupal, Dreamweaver, Photoshop, Illustrator, Office
RELATED INTERESTS	Web Development and Design, Graphic Design, UI Design, Mobile Application Development
MISC. INTERESTS	Economics, Finance, Jazz Dance, Psychology, Quizzing, Debate
SPORTS	Soccer (member of the college team), Badminton
PROFESSIONAL SOCIETIES	ACM