

Anup R Tapadia

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Education

- 2006-current **Doctor of Philosophy (Communication Theory and Systems)**
(UCSD) University of California, San Diego, USA
- 2004-2006 **Masters of Science in Networking and Telecom**
International Institute of Information Technology, Pune, India

Certifications

Became world's youngest (at age of 14)

- Microsoft Certified Solution Developer
- Microsoft Certified Systems Engineer
- Microsoft Certified Database Administrator

Cisco Certified Design Associate

Cisco Certified Network Associate

C#.Net Certified from NIIT, Pune

CAD/CAM and 3DS Max certification from Silicon Meadows, Pune

Achievements

- Received written compliments from **Bill Gates**(Microsoft), Azim Premji (Wipro) and President of India for being youngest achiever of Microsoft Certifications.
- Stood second in all India conference sponsored by IEEE for presentation of "Twister Mesh- A reliable and secure multi-hop protocol". Hand written compliments received from **Dr. Irwin Jacobs** (Founder, Qualcomm) who was chairing the conference.
- Delivered several lectures at Fergusson college, Pune for BSc and MSc student on topics in Computer Networks.
- Lion's International **young achiever award** for excellence in academics.
- 'Samaj Gaurav Puraskar' by Maheshwari Pragati organization.
- Academic excellence award from Poona Merchant Chambers.

Work Experience

- Apr 07 – present (Part time) Consultant to Express Ventures on hi-tech startups.
- Apr 06 – Aug 06: R&D Engineer, Qualcomm India Pvt. Ltd, Mumbai.
- Oct 05 – Mar 06: Systems Engineer Intern, Corp R&D Qualcomm USA, San Diego
(Part time) Affiliate Volunteer at California Institute of Telecommunication and Information Technology at UCSD.
- Feb 02 – June 05 (Part Time) Freelance Consultant in systems and security

Research and Projects (Includes fulltime and part time)

Cognitive networks: (3 months - Ongoing)	Study of behavioral patterns of multiple layers in 802.11 mesh networks. (RA for Prof. Ramesh Rao)
MANET routing: (3 months)	Comparative study of layer 3 v/s layer 2 routing protocols. (RA for Prof. Ramesh Rao)
MPI v/s UPC: (3 months)	Comparative study and benchmarking of Message passing (MPI) v/s Shared memory(UPC) programming on SDSC supercomputer Datastar. (Prof. Scott Baden)
Mobile as a PC: (5 months)	Prototype spec for a platform which would allow mobiles to be used like personal computers (Qualcomm Proprietary)
P2P mobile computing: (6 months)	Design and prototyping of a platform which would enable p2p computing in mobiles (Qualcomm Proprietary)
Twister Mesh: (6 months)	Design and simulation of a reliable and secure multi-hop ad-hoc wireless routing protocol.
Project Swift: (24 months)	Design and prototype of a high performance heterogeneous cluster computing platform(TechnoKarma Proprietary)
Twister Wireless Router: (6 months)	Designed and deployed wireless mesh backhaul routers to enable wireless connectivity for 800 users at IIT, Pune.
FTP +: (3 months)	Design and implementation of an enhanced FTP protocol which speeds up transfers (2x-5x) by use of compression.
Video Over IP, Analog Voice: (6 months)	Low cost hardware to enable desktop to desktop video conferencing in LAN environment.
Web OS: (3 months)	A bootable floppy based web browser with basic operating system functionality and connectivity.
Website Development:	Developed www.safepack.com and www.vivekanand.org

Skills

Operating Platforms: Linux, Unix, Solaris, Windows, Embedded OS', supercomputers.

Programming: C/C++, Visual Basic, Visual C++, C#, QT, Socket prog., Parallel prog., BREW, Assembly.

Scripting: Shell, Perl, Batch

Embedded Platforms: AMD Geode, VIA eden, Strong ARM, 8051, 8085.

Tools: Matlab, OpNet, QualNet, NS2, CAIT, BREW Simulator.

Databases: MySQL, Oracle, MS SQL

Web: HTML, DHTML, Javascript, ASP, PHP, XML (AJAX)