

# Dhruv Gupta

Department of Computer Science,  
University of California Davis, CA 95616

Phone: +1-530-400-5587

Email: [dhgupta@ucdavis.edu](mailto:dhgupta@ucdavis.edu)

URL: <http://wwwcsif.cs.ucdavis.edu/~guptad>

## EDUCATION

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*University of California, Davis, CA*

**Ph.D. Candidate in Computer Science** **September 2007 – present**

*Research Advisors:* Prof. Prasant Mohapatra & Prof. Chen-Nee Chuah

*University of California, Davis, CA*

**M.S. in Computer Science** **September 2005 – August 2007**

*GPA:* 3.85/4.0

*Research Advisors:* Prof. Prasant Mohapatra & Prof. Chen-Nee Chuah

*Indian Institute of Technology, Roorkee, India*

**B. Tech. in Computer Science & Engineering** **May 2005**

Area of concentration: Computer Networks and Communications

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## RELATED EXPERIENCE

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*AT&T Labs., San Ramon, CA*

**Summer Intern** **July 2008 – September 2008**

- ❖ Traffic analysis and trouble ticket mining for DSL subscribers

*University of California, Davis*

**Research Assistant** **September 2005 – present**

- ❖ Research on Wireless Mesh Networks (WMNs)
  - ✓ Resource control and performance management in WMNs
  - ✓ Experimental implementation of admission control in WMNs
  - ✓ Implementation of Quail Ridge Reserve wireless mesh network

*Hewlett-Packard, Bangalore, India*

**Summer Intern** **May 2004 – July 2004**

- ❖ Worked on the development of the HP Process Tracker to cater to the various customers of HP products. Helped create a web-based interface for the same.
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## PROFICIENCIES & SKILLS

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- ✓ Programming Languages: C/C++, Java, Python, SQL
  - ✓ Operating Systems: MS Windows 95/98/2000/XP, Linux
  - ✓ Network Technologies: Routing protocols, Wireless Networks, worked on implementing 802.11a/b/g wireless networks with Soekris Embedded systems using Linux operating system
  - ✓ Good communication skills
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## PUBLICATIONS

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- ✓ Dhruv Gupta et. al., "Experimental Comparison of Bandwidth Estimation Tools for Wireless Mesh Networks", *in IEEE INFOCOM, 2009*
  - ✓ Dhruv Gupta et. al., "Efficient Monitoring in Wireless Mesh Networks: Overheads and Accuracy Trade-offs", *in IEEE MASS, 2008*
  - ✓ Dhruv Gupta et. al., "Experimental Evaluation of Admission Control Scheme for Wireless Mesh Networks", *in IEEE MASS, 2007*
  - ✓ Dhruv Gupta et. al., "A WDS based Layer-2 Routing Scheme for Wireless Mesh Networks", *in ACM WinTECH (in conjunction with Mobicom), 2006*
  - ✓ Daniel Wu, Dhruv Gupta & Prasant Mohapatra, "Quail Ridge Reserve Wireless Mesh Network: Experiences, Challenges and Findings", *in IEEE TRIDENTCOM, 2007*
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## References

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Prof. Prasant Mohapatra  
Department of Computer Science  
2123 Kemper Hall  
University of California Davis  
Davis CA 95616  
[prasant@cs.ucdavis.edu](mailto:prasant@cs.ucdavis.edu)

Prof. Chen-Nee Chuah  
Department of Elec. & Comp. Eng.  
3125 Kemper Hall  
University of California Davis  
Davis CA 95616  
[chuah@ece.ucdavis.edu](mailto:chuah@ece.ucdavis.edu)

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