

SUSMIT SHANNIGRAHI

PERSONAL DATA

PLACE AND DATE OF BIRTH: West Bengal, India | 28 June 1986
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Kolkata -700075, India
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RESEARCH INTEREST

Computer Networks, The Internet, Network protocols, Network Security.

EDUCATION

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| AUG 2007 -JUN 2009 | MASTER OF COMPUTER SCIENCE AND ENGINEERING JADAVPUR UNIVERSITY, KOLKATA, INDIA <ul style="list-style-type: none">• Thesis: Reducing Path Exploration in BGP Advisor: Prof. S. K. Ray• Implemented a BGP/Modified BGP simulator for thesis purpose. Tested and used for thesis work.• Has built small hardwares for in-house usage. CGPA: 8.59/10 | FIRST CLASS |
| AUG 2003 -JUN 2007 | BACHELOR OF COMPUTER SCIENCE AND ENGINEERING WEST BENGAL UNIVERSITY OF TECHNOLOGY, KOLKATA, INDIA <ul style="list-style-type: none">• Final year project: Developing iptableFE; a graphical frontend for net-filter/iptables.• Training on "Patient and Medicine Information System on mobile systems" at HCL Technologies. CGPA: 7.79/10 | FIRST CLASS |

PUBLICATIONS

- SEPT. 2009 : Swapan Kumar Ray and Susmit Shannigrahi, FAST BGP CONVERGENCE FOLLOWING LINK/ROUTER FAILURE, to appear in proc. [11th International Conference on Distributed Computing and Networking](#), to be held at Kolkata during 3-6 Jan, 2010.
- NOV. 2006 : Susmit Shannigrahi, INTERNAL ARCHITECTURE AND WORKING PRINCIPAL OF NETFILTER/IPTABLES. proc. of *National Student Convention* held on the occasion of 41'st National Convention of [Computer Society of India](#), pp. 17-24.

SCHOLARSHIPS AND AWARDS

- 2007 : Scholarships for postgraduate students in Engineering qualifying the All India Graduate Aptitude Test in Engineering (GATE).
- 2005 : Awarded for winning (as a team) the inter-departmental presentation contest during B-Tech studies.
- 2000 : Stood Second in state level quiz competition.

- 1998 : Awarded "National scholarships for talented children from rural areas for secondary stage study" conducted by the State Govts.

WORK EXPERIENCE

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| MAY 2008 - DEC. 2008 | <p>DATA COMMUNICATION AND INTERNETWORKING LAB, JADAVPUR UNIVERSITY</p> <ul style="list-style-type: none"> • Lectured weekly laboratory on Internet Technologies (CSE/S/413) attended by Final year Computer Science graduate students. Series of Lectures on basic and advanced topics of internetworking and the Internet. • Graded weekly lab reports and provided laboratory exams including semester viva voce. |
| OCT. 2006 - PRESENT | <p>THE FEDORA PROJECT</p> <ul style="list-style-type: none"> • Member of Fedora Ambassadors Steering Committee responsible for providing the basic governance and support structure to Fedora Ambassadors. • Member of Fedora Ambassadors Membership Administration group. Scripting and setting up tools necessary for membership administration and statistics generation. • Actively participates in Fedora-infrastructure group. • Leads the Fedora Freemedia Program. This deals with global delivery of free Fedora media. • Regional Mentor for APAC. • Member of several other Fedora groups. |
| APR. 2007 - JUN. 2008 | <p>WEST BENGAL UNIVERSITY OF TECHNOLOGY</p> <ul style="list-style-type: none"> • Set up and managed public FOSS mirror at mirror.wbut.ac.in for one and a half years. • Set up automated monitoring infrastructures. • Conducted series of workshops for university students on FOSS. • Setting up and maintaining thin clients and related servers. <p>- OTHER PROFESSIONAL ACTIVITIES</p> <ul style="list-style-type: none"> • Has delivered several FOSS related talks at several premier educational institutes and recognised FOSS conferences. • Occasionally writes technical articles for Linux magazines/websites. • Mentored several people for getting started with FOSS and Fedora. • Conducted a number teacher's training on OpenOffice and basic linux usage. • Co-edited a book on OpenOffice. |

COMPUTER SKILLS

- PROGRAMMING: C, Python, Bash, PHP, SQL, GTK+, bit Django and Turbogear.
- VERSION CONTROL: CVS, SVN, GIT
- BUG TRACKING: Bugzilla, Trac

- NETWORKING:
 - Technologies : Ethernet, Fast Ethernet, Gigabit Ethernet, Token Ring, IEEE 802.11 *et al.*
 - Protocols : TCP/IP, SNMP, BGP, Frame Relay, PPP, RIP, ATM, OSPF *et al.*
 - Network Deployment, Management and LAN traffic monitoring.
 - Configuration of Firewalls using iptables.
 - Traffic shaping/ policing.
 - Network Simulator: ns2
- PUBLICATION: \LaTeX , Xe \LaTeX , OpenOffice, [Publican](#).
- VIRTUALISATION: Xen, Qemu, Kvm.

LANGUAGES

- Bengali: Mother Tongue
- Hindi: Fluent
- English: Fluent

LAST UPDATED: DECEMBER 7, 2009