



Manmeet Singh

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Summary

- 2.5 years of Experience in Product development at "**Samsung India Software Operations Pvt. Ltd., Bangalore**"
- 6 years of Experience working as Assistant Professor in BGSB University.

Professional Experience

- Baba Ghulam Shah Badshah University, Rajouri- J&K
Assistant Professor, Deptt of Information Technology (Oct-2010-present)
- Aristocrat Technologies India Pty Limited, Noida.
Senior Software Engineer (March 2010 – Sept-2010)
- Samsung India Software Operations Private Limited, Bangalore

Education & Certifications

Thapar Institute of Engineering & Technology, Patiala-Punjab M.E. in Software Engineering CGPA: 8.48/10	July 2005-may 2007
Mahant Bachittar Singh College of Engineering and Technology, Jammu B.E. in Information Technology Percentage: 79.27%	Sep 2000-May 2005
SRML Higher Secondary School, Jammu Intermediate (J&KSBSE) Percentage: 85.66%	Apr 1999-Mar 2000
Shiksha Niketan High School, Jammu Matriculation (J&KSBSE) Percentage: 80 %	Apr 1997-Mar 1998

Research & Development

- **Project Name: Home Networking**

DLNA intends to solve the problems inherent in using digital media between different consumer electronic devices. For example, a DLNA compliant TV will interoperate with a DLNA compliant PC to play music, photos or videos.

- Protocols: DLNA, DTCP & HTTP, UPnP SRS for STB.
- Technologies: C/C++ in Linux.
- Tools: GCC & GDB.

- **Project Name: Secure Removable Media protocol Development**

Digital rights management is the technology to prevent piracy of digital content. Secure Removable Media (SRM) is used to securely transfer Digital rights from DRM (Digital Rights Management) agent to SRM Agent and vice versa.

- Protocols: Open Mobile Alliance SRM.
- Technologies: C/C++
- Tools: Microsoft Visual Studio 2005.

Technical Skills

Database	Oracle 8i/9i, SQLite,SQL Server
Languages	C/C++, JAVA,VB.NET,ASP.NET,
Tools	Microsoft Visual studio, Rational Suite(Rose, Purifier, Quantifier), Gdb ,OpenSSL, Perforce, Source Insight, Nmap, Xprobe , IpTables
OS	Windows XP/7,Linux(Fedora, Ubuntu),SHP(Samsung Handset Platform)
Others	IIS, Shell scripting, DLNA, DRM , UPnP, CSS & Ajax

Research Paper Presented/Accepted

- Manmeet Singh, Mohammad Asger,” Service and Version Fingerprinting Techniques and Countermeasures”, International conference on Computer Networks and Information Technology ,20-21st March,2014 NITTTR Chandigarh, ISBN- 9789383842278, 206-213
- Manmeet Singh, Maninder Singh, “Designing masking ruleset for hiding Operating System Identity,” International conference on Risks and Security of Internet and Systems (CRISiS 2007) – Marrakech, Morocco

Workshop/Conferences/Achievements

- Participated in OMA Testfest at **Helsinki, Finland- 7/09/2008-9/9/2008.**
- Participated in integration testing at **Suwon, South Korea – 13/5/2008-23-5/2008.**
- GATE–2005 Qualified with 89.74 percentile in Information Technology.
- Second Place in Debugging Contest in CHAKRAVYUH’06, Thapar University.

- Guest Lecture on "Open Source Licenses" at SMVDU on Software Foundation day
- Convener, GeeksFest MMXII – TechFest at BGSB University- 1st March,2012
- Attended World Wide security and mobility conference, IIT Delhi – April 12, 2012
- Attended Great India Developer Summit 2012, IISc Bangalore – April-17-20, 2012
- Attended International workshop on Cloud Computing and High Performance Computing at Thapar University ,Patiala , 5-8 Dec, 2012
- Attended Security and Privacy Symposium, IIT Kanpur,27-1 March 2013
- Coordinator, Workshop on Network Security, 3rd Sept 2012
- STC on Linux Administration at NITTTR Chandigarh
- Workshop on AICTE Approval process at University of Kashmir, 4th Nov 2012
- General Orientation Course at Academic Staff College, Guru Nanak Dev University Amritsar , 7th of June to 4th of July 2012
- STC on Linux Administration at Government Polytechnic for Women Jammu organized by NITTTR Chandigarh, 29/4/2013 to 3/5/2013
- Workshop on "Aspect Oriented Networking" under Indo-US Collaboration of Engineering & technology at Jaypee University of Engineering & technology, Guna, MP from July 09-13,2012
- Workshop on "RFID and Microcontroller based Pervasive Computing" at BGSB University, Rajouri, J&K from April 22-26,2012
- Coordinator, Workshop on "Information Security and Cyber Forensics" at BGSB University, Rajouri, J&K 9-10 Oct,2013
- Coordinator, Workshop on "National Network Security Championship" in collaboration with ACM & II Delhi 12-14 March,2014
- STC on "Network Security and Firewalls " organised by NITTTR, Chandhigarh wef Nov 18-23,2013

List of Courses taught at UG Level

- Cryptography and Network Security
- Design of Unix Operating System
- Formal Languages and Automata Theory
- Visual Programming
- Operating System
- Computer Fundamentals
- Computer Organization and Architecture

Personal Information

Father's Name:	Sewa Singh
Mother's Name:	Ranjeet Kour
Date of Birth:	29-01-1983
Nationality:	Indian
Languages Known:	English, Hindi & Punjabi

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