

PRADEEP TOMAR

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OBJECTIVE & CAREER SUMMARY:

Professionally developed in the environment of science and want to work hard in the field of **Computer Science, Information Technology**. Having **5 Years 10 Months** IT experience and also doing research in **Component-Based Software Development** with commitment to bring significant contribution for the growth and development of the organization.

PROFESSIONAL SUMMARY:

Having **4 Years** of teaching experience in university campus for UG and PG classes.
1 Years & 9 Months 6 Days IT experience in software industry.
Extensive knowledge in core java, advanced java and server side technologies like **JAVA, JSP, Servlets, Struts1.1, JDBC and Oracle**.
SCJP (SUN Certified JAVA Programmer) qualified for the **JAVA platform, standard edition 5.0** in **September, 2008**.
MCP (Microsoft Certified Professional) qualified in **August 2008**.
National Eligibility Test (NET) qualified for Lectureship in **Computer Applications**.

RESEARCH EXPERIENCES:

Working as **Research Associate** in **School of Information and Communication Technology, Gautam Buddha University, Greater Noida, U.P., INDIA** from **9th April, 2009** to till date.
Pursuing Ph.D. on **Reusability and Testing of Component-Based Software Development** as a **Research Scholar** in Department of Computer Science & Applications, **Maharshi Dayanand University, Rohtak, Haryana, INDIA** from **March 22nd, 2006** to till date.

PROFESSIONAL EXPERIENCES:

Worked as **Software Engineer** in **Outworx Solutions Pvt. Ltd., US based MNC, H-195, Sector 63, NOIDA, U.P.** from **July 2nd, 2007** to **April 8th 2009**.

TEACHING EXPERIENCES:

Worked as **Lecturer** for Computer Sc. in Department of Information Science & Technology in Govt. College for Boys, **Maharshi Dayanand University, Rohtak, Haryana, INDIA** from **August 8th, 2006** to **October 6th, 2006** and **October 16th, 2006** to **June 30th, 2007**.
Worked as **Lecturer** for Computer Science in Department of Information Science & Technology in University College, **Maharshi Dayanand University, Rohtak, Haryana, INDIA** from **October 28th, 2005** to **June 06th, 2006**.
Worked as a **Lecturer** in Department of Computer Science & Applications, **Maharshi Dayanand University, Rohtak, Haryana, INDIA** from **October 11th, 2004** to **April 30th, 2005** and **August 11th, 2005** to **October 28th, 2005**.
Worked as a **Lecturer** in the course of Information Technology run by Department of Electronics Science, **Kurukshetra University, Kurukshetra, Haryana, INDIA** from **August 12th, 2003** to **March 23rd, 2004**.

TEST QUALIFIED:

✓ **National Eligibility Test (NET)** qualified for Lectureship in **Computer Applications**.

PROFESSIONAL CERTIFICATION:

- ✓ **MCP (Microsoft Certified Professional)** in August 2008.
- ✓ **SCJP (SUN Certified JAVA Programmer)** qualified for the **JAVA platform, standard edition 5.0** in September, 2008.

EDUCATIONAL QUALIFICATIONS:

Degree: **University/Board/Institute/Deptt.**

Ph.D. **Pursuing Ph.D. in Computer Science**

Topic: Reusability and Testing of Component-Based Software Development.

Department of Computer Science and Applications

Maharshi Dayanand University, Rohtak, Haryana, INDIA.

Prof. Nasib S. Gill

Head & Ph.D. Supervisor

Department of Computer Science & Applications

M.D.University, Rohtak 124 001, Haryana, INDIA

M.C.A. **Master of Computer Applications (M.C.A.)**

Guru Jambheshwar University, Hissar, Haryana, INDIA.

Diploma: **University/Board/Institute/Deptt.**

PGDCPCL **Post Graduate Diploma in Copyright, Patent and Cyber Laws.**

Kurukshetra University, Kurukshetra, Haryana, INDIA.

Certificate: **University/Board/Institute/Deptt.**

CCS **Certificate Course in Spanish**

Maharshi Dayanand University, Rohtak, Haryana, INDIA.

CCF **Certificate Course in French**

Madurai Kamraj University, Madurai, Tamilnadu, INDIA.

PROFESSIONAL SKILLS:

Operating System: WINDOW9x, UNIX

RDBMS/DBMS: ORACLE 7, PL/SQL

Languages: JAVA

Web Server Tomcat 5.x., JBoss

Middleware: JSP2.0, Servlets2.4, JDBC, Struts1.1

Tools / IDEs JBuilder and Eclipse 3.0.

Bioinformatics Tools: BLAST, FASTA, Entrez, ExonBlast

MEMBERSHIP:

Life membership of **Computer Society of India (CSI).**

Life membership of **Indian Society for Technical Education (ISTE).**

Annual membership of **Indian Science Congress Association (ISCA).**

Membership of **www. bioinformatics.org.**

Membership of **International Association of Engineering (IAENG).**

Membership of **International Association of Computer Science and Information Technology (IACSIT).**

PUBLICATIONS:

RESEARCH PAPERS ACCEPTED/PUBLISHED IN NATIONAL JOURNALS/MAGZINES/BOOKS

Dr. Gill Nasib S., Tomar P., (2006), “Major Challenges Faced in Component-Based Software Reuse”, research paper published in Journal of Computer Science, Karpagam Charity Trust, Coimbatore 641021, Tamilnadu, India., 2nd Vol., Number 01, page no. 53.

RESEARCH PAPERS ACCEPTED/PUBLISHED IN INTERNATIONAL JOURNALS/MAGZINES/BOOKS

Dr. Gill Nasib S., Tomar P., (2008), “X Model: A New Component-Based Model” paper published in MR International Journal of Engineering and Technology, Vol. 1, No. 1 & 2.

Dr. Gill Nasib S., Tomar P., (2007), “CBS Testing Requirement and Test Cases Processes Documentation Revisited” paper published in international journal of ACM SIGSOFT Software Engineering Notes, Volume 32, Number 2, , page no. 1.

RESEARCH PAPER PUBLISHED/ACCEPTED/PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES/WORKSHOPS/SYMPOSIA/TECHNICAL FEST related to RESEARCH WORK

Dr. Gill Nasib S., Tomar P., (2007), “Component-Based Software Reusability: Success, Failure & New Directions” paper presented and published in the proceeding of National Conference on Information Technology: Present, Practices and Challenges held at Asia Pacific Institute of Management, New Delhi.

Dr. Gill Nasib S., Tomar P., “Component Traceability, Testability and Testing: A Challenge in Component-Based Software Development” paper published for publication in T I S C: International Conference on Trends in Information Sciences and Computing organized by Sathyabama University & Tata Consultancy Services in Chennai, INDIA.

Dr. Gill Nasib S., Tomar P., “Impacts of Inadequate Testing and Testing Infrastructure in Component-Based Software Testing and Development “paper published for publication in T I S C: International Conference on Trends in Information Sciences and Computing organized by Sathyabama University & Tata Consultancy Services in Chennai, INDIA.

RESEARCH ABSTRACT PUBLISHED/ACCEPTED/PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES/WORKSHOPS/SYMPOSIA/TECHNICAL FEST related to RESEARCH WORK

Dr. Gill Nasib S., Tomar P.,(2007), “Software Component Technology: An Easy Way to Enhance Software Reusability” paper presented and abstract published in 94th Indian Science Congress Conference (ISCA-2006) Annamalai University, Annamalaiagar, Tamilnadu, INDIA, page no: 18-19.

Dr. Gill Nasib S., Tomar P., (2006), “Component-Based Software Testing: A Roadmap” abstract published in 4th International Conference on Computer Science and its Applications (ICCSA-2006) San Diego, California, USA.

Dr. Gill Nasib S., Tomar P., (2008), “Object + Component + Aspect Oriented Software Development: All are interrelated but have Different Development and Practitioner View” paper published in proceedings of the 2nd National Conference; INDIACom-2008, Computing For Nation Development, Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi, page no: 697.

Dr. Gill Nasib S., Tomar P., (2008), “Need and Nature of Verification & Validation in Component-Based Software Development” paper published in proceedings of the 2nd National Conference; INDIACom-2008, Computing For Nation Development, Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi, *page no: 669.*

GENERAL PAPERS ACCEPTED/PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS/MAGZINES/BOOKS

Tomar P., Dr. Rai B., Kharb L., (2007), “New Vision of Computer Forensic Science: Need of Cyber Crime Law” paper published in Internet Journal of law, Health Care & Ethics, Volume 04.

ABSTRACTS PUBLISHED/ACCEPTED/PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES/WORKSHOPS/SYMPOSIA/TECHNICAL FEST

Dr. Gill Nasib S., Tomar P., (2007), “Reliability & Security in Open Source Software: Review & Analysis” paper presented and abstract published in 94th Indian Science Congress Conference (ISCA-2006) Annamalai University, Annamalainagar, Tamilnadu, INDIA, *page no: 21.*

Tomar P., Dr. Singh R., Dr. Sohal A.S., Dr. Dahiya R., (2005), “Cryptography + Stegnography in DNA Computing : An Intelligent Approach for Secure Data Communication” abstract published in FIMXII-SCMA 2005 AUBURN 12th International Conference on Statistics Combinatorics, Mathematics and Applications, Auburn University, Auburn, Alabama, USA., *page no: 79-80.*

Tomar P., Dr. Singh R., (2005), “Functional and Object Oriented Metrics for Object Oriented Systems: An Overview and Comparison” abstract published in FIMXII-SCMA2005 AUBURN 12th International Conference on Statistics Combinatorics, Mathematics & Applications, Auburn University, Auburn, Alabama, USA, *page no: 79-80.*

Dr. Singh R., Tomar P., (2005), “Cyber Laws in India : Role & Improvement” paper presented and abstract published in National Conference on “India in the Globalised World: Challenges & Opportunities” organized by All India Law Teachers Congress & Faculty of Law, M. D. University, Rohtak at Department of Law, M. D. University, Rohtak, Haryana, INDIA., *page no. 81.*

Tomar P., Yadav M., (2005), “Distributed Denial of Services Attacks: A Challenge” paper presented and abstract published in proceeding of COGNITION 2K5, a National level Technical Symposium, organized by Department of studies in Computer Science, University of Mysore, Mysore, Karnatak, INDIA., *page no. 26.*

Tomar P., Yadav R., Dr. Singh R., (2005), “Control Plane Policing (CoPP) Protects Route Processor from Distributed Denial of Service Attacks: Defense & Solutions” paper presented and abstract published in the proceeding of National Conference on Intelligent System & Network, organized by Haryana Engineering College, Jagadhari, HARYANA, INDIA with Institution of Electronics & Telecommunication Engineering (IETE), *page no. 288.*

GENERAL PAPERS PRESENTED/ ACCEPTED/ PUBLISHED IN NATIONAL & INTERNATIONAL CONFERENCES/ WORKSHOPS/ SYMPOSIA/ TECHNICAL FEST ON BIOINFORMATICS:

Tomar P., Dr. Gill Nasib S., (2008), “Cryptography + Stegnography helps in creating a Secure Information Technology Infrastructure for Data Transmission with the help of DNA Computing and Bioinformatics” paper published in proceedings of the 2nd National

Conference; INDIACom-2008, Computing For Nation Development, Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, *page no: 696.*

Tomar P., Kharb L., Dr. Kumar R., (2006), “Software Tools and Techniques used in Bioinformatics Research to Access Biological Database & Gene Identification” paper published in National Conference of Bioinformatics Computing (BioCon-2006) organized by Department of Computer Science and Engineering and Department of Biotechnology, Chaudhary Devi Lal University, Sirsa, Haryana, INDIA.

Tomar P., Dr. Singh R., Kharb L., (2006), “Bioinformatics: Origin, Theory and Prospects” paper presented and published in proceeding of national conference on Communication & Computational Techniques: Current and Future Trends organized by Dehradun Institute Technology, Dehradun, Utranchal, INDIA, *page no: 242-245.*

Tomar P., Dr. Sohal A. S., Dr. Dahiya R., (2005), “DNA Computing: Origin and Future” paper presented and published in proceeding of National Conference Bioinformatics Computing organized by Department of Computer Science & Engineering at Thapar Institute of Engineering & Technology, Patiala, Punjab, INDIA., *page no. 84.*

Tomar P., (2005), “DNA Computing: Definition and Practical Uses” paper published in proceeding of Second National Conference on Advanced Images Processing and Networking, organized by Department of Computer Science and Engineering & IT at National Engineering College, Kovilpatti, Tamilnadu, INDIA, *page no. 300-309.*

GERNAL PAPERS PRESENTED/ ACCEPTED/ PUBLISHED IN NATIONAL & INTERNATIONAL CONFERENCES/ WORKSHOPS/ SYMPOSIA/ TECHNICAL FEST ON COMPUTER SCIENCE:

Dr. Gill Nasib S.,Tomar P., “Origin, Growth and Future of Software in Service Industry in India” paper published for publication in **T I S C: International Conference on Trends in Information Sciences and Computing** organized by Sathyabama University & Tata Consultancy Services in Chennai, INDIA.

Tomar P., Kishan B., Dr. Gill Nasib S., (2006), “Cellular Mobile Communication in the Cyber World of 21st Century: Evolution or Revolution” paper presented and published in the proceeding of National Seminar on Network Technologies sponsored by AICTE held at Career Institute of Technology and Management, Faridabad, Haryana, India, *page no.40.*

Tomar P., Dr. Gill Nasib S., (2006), “Ontology Based Natural Language Processing for Improving the Ambiguities of Semantic Web Search” paper presented and published in the proceeding of National Seminar on Network Technologies sponsored by AICTE held at Career Institute of Technology and Management, Faridabad, Haryana, India, *page no.19.*

Tomar P., Dr. Gill Nasib S., Dr. Singh R., (2005), “Wireless Communication through WATM: Past, Present & Future” paper presented & published in proceeding of International Conference on Challenges in Networking & future e-Commerce organized by APIIT SD INDIA, Panipat, Haryana., INDIA, *page no.181-188.*

Tomar P., Dr. Singh R., (2005), “Wireless Communication through WATM: Technology Status & Challenges” paper presented and published in proceeding of National Level Conference on recent Advances and Future trends in IT organized by Department of Computer Science., Punjabi University, Patiala, Punjab, INDIA, *page no.112-115.*

Tomar P., Dr. Singh R., (2005), “Defense & Solution against Denial of Services Attacks: A Challenge” paper published in proceeding of Second National Conference on Advanced Images Processing and Networking, organized by Department of Computer Science and Engineering & IT at National Engineering College, Kovilpatti, Tamilnadu, INDIA, *page no. 201-208.*

Tomar P., (2004), “*Scalability and Security of Intelligent Information Networks: Challenges and Opportunities*” paper presented in National Conference on Intelligent System & Network, organized by Haryana Engineering College, Jagadhari, Haryana, INDIA with Institution of Electronics & Telecommunication Engineering (IETE).

PAPERS & ARTICLES PUBLISHED IN BOOKS/JOURNALS/MAGZINES :

Tomar P., Dr. **Sohal A.S.**, Dr. **Dahiya R.**, (2005), “*DNA Computing: Origin and Future*” paper published in “*SOFT COMPUTING*” **Publisher: Allied publisher Pvt. Ltd. A-104 Mayapuri Phase II, New Delhi INDIA**, page no.:156-160.

BOOKS PUBLISHED:

Dr. Gupta, V. K., **Tomar P.**, **Walia P.**, (2003), “*Teaching of Mathematics*”, **Publisher: Vinod Publication, Ludhaina Punjab, INDIA.**

Tomar P., (2005), “*Communication and Information Technology*”, **Publisher: Vinod Publication, Ludhaina, Punjab, INDIA.**

SHORT TERM COURSES/WORKSHOPS/TRAINING PROGRAMME IN BIOINFORMATICS ATTENDED:

National Workshop on Advances in Bioinformatics organized by Distributed Informatics Sub-Centre (DISC), Department of Biotechnology, Guru Nanak Dev University, Amritsar, Punjab, INDIA from February 23rd-24th, 2006.

National Conference on Bioinformatics: Genomics and Proteomics organized by Birla institute of Scientific Research, Jaipur, Rajasthan, INDIA sponsored by Department of Biotechnology, Govt. of India, New Delhi, INDIA from January 11th-13th, 2006.

Bioinformatics Tools and Their Applications sponsored by Department of Biotechnology Govt. of India, at Department of Biochemical Engineering & Biotechnology, **Indian Institute of Technology, New Delhi, INDIA** from March 30th-31st, 2004.

Workshop-Cum-Training Programme on Recent Trends in Genomics and Proteomics organized by Bioinformatics center, (Sub-DIC), Himachal Pradesh University, Shimla, Himachal Pradesh, INDIA from October 24th-26th, 2002.

Workshop-Cum-Training Programme on Tools & Techniques to Access Biological Database sponsored by DBT, Govt. of India and organized by Bioinformatics center, Department of Biotechnology, Himachal Pradesh University, Shimla, Himachal Pradesh, INDIA from June 20th-22nd, 2002.

WORKSHOPS/SEMINARS/CONFERENCES/TECHNICAL FEST ATTENDED:

One day workshop on **Software Testing** on 2nd August, 2008 at Amity University Campus, Noida, U.P., INDIA.

Training of **Software Testing Tools** like Win Runner, Test Director, STA, QTP, Rational Robot, Silk Test from **Software Technology Center, New Delhi, INDIA.**

One Day Training Program on Cyber Security organized by D.A.V. Institute of Management, Faridabad, **Haryana, INDIA** on April 7th, 2007.

94th Indian Science Congress Conference (ISCA-2006) Annamalai University, Annamalaiagar, **Tamilnadu, INDIA**, January 03-07, 2007.

Workshop on Faculty Development organized by **ICFAI National College, Rohtak, Haryana, INDIA** on February 25th, 2006.

Workshop on Information Technology for Teachers organized by Deptt of Computer Science and Applications, **M. D. University, Rohtak, Haryana, INDIA** on January 7th, 2006.

Patent Awareness Workshop organized by **Patent Information Centre, Hissar, Haryana** in collaboration with **TIFAC, New Delhi** and **Department of Biosciences, M. D. University, Rohtak, Haryana, INDIA** at DDE Conference Hall, M. D. University, Rohtak, Haryana, INDIA on December 30th, 2005.

Third National Level Technical Festival “KSHITIJ 2004” (The Horizon of IT and Culture) organized by Department of Computer Science & Engineering, at Guru Jambheshwar University, **Hissar, Haryana, INDIA** from October 15th-16th, 2004.

Conference on e-Security, Cyber Crime & Cyber Law organized by Mahatma Gandhi State Institute of Punjab Administration, Punjab, INDIA at Hotel Shivalikview, **Chandigarh, INDIA** from February 19th-20th, 2004.

Third “Hindi” Indian Science Congress organized by Vigyan Bharti, & Bhartiya Swadeshi Science Movement, Delhi at **National Physics Laboratory, New Delhi, INDIA** from February 19th-21st, 2003.

Seminar-Cum-Training Programme on Electron Microscopy jointly organized by Department of Zoology, Kurukshetra University, Kurukshetra, Haryana, INDIA & Sophisticated Analytical Instrumentation Facility (SAIF), Punjab University, **Chandigarh, INDIA** from January 29th-31st, 2004.

91st Indian Science Congress on the theme “**Sciences and Society in the Twenty First Century -Quest for Excellence**” from January 3rd-7th, 2004 held at Chandigarh, organized by Punjab University, Chandigarh and IMTECH, **Chandigarh, INDIA**.

Patent Awareness Workshop organized by Kurukshetra University, Kurukshetra & Punjab State Council for Science & Technology, Sector 26, **Chandigarh, INDIA** on November 25th, 2002.

Workshop-Cum-Seminar on Preparing Teaching Aids & Handling of Latest Machine sponsored by UGC at University College of Education, **Kurukshetra University, Kurukshetra, Haryana, INDIA** from September 25th-27th, 2002.

RESPONSIBILITIES:

Act as a **Resource Person in Workshop-Cum-Seminar on Preparing Teaching Aids & Handling of Latest Machine** sponsored by UGC at University College of Education, Kurukshetra University, Kurukshetra, Haryana INDIA from Sept. 25th-27th, 2002.

Act as a **Organizing Secretary** in “**State Level Technical Fest “CompuFest2006”**” organized by Department of Information Science and Technology, University College, M. D. University, Rohtak Haryana, INDIA from March 28th-29th, 2006.

PERSONAL PROFILE:

Qualification:	M.C.A., Pursuing Ph.D.
IT Experience:	5 Years 10 Months
Books Published:	Two (02)
Papers Published:	Twenty Nine (29)
Language Known:	Hindi, English, Spanish, French
Passport Number:	F1719999

Date: June 12, 2009

PRADEEP TOMAR