

# PRADEEP TOMAR

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[parry.tomar@gmail.com](mailto:parry.tomar@gmail.com)

## 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** with **72%**.

**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 **9<sup>th</sup> 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 22<sup>nd</sup>, 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 2<sup>nd</sup>, 2007** to **April 8<sup>th</sup> 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 8<sup>th</sup>, 2006** to **October 6<sup>th</sup>, 2006** and **October 16<sup>th</sup>, 2006** to **June 30<sup>th</sup>, 2007**.

Worked as **Lecturer** for Computer Science in Department of Information Science & Technology in University College, **Maharshi Dayanand University, Rohtak, Haryana, INDIA** from **October 28<sup>th</sup>, 2005** to **June 06<sup>th</sup>, 2006**.

Worked as a **Lecturer** in Department of Computer Science & Applications, **Maharshi Dayanand University, Rohtak, Haryana, INDIA** from **October 11<sup>th</sup>, 2004** to **April 30<sup>th</sup>, 2005** and **August 11<sup>th</sup>, 2005** to **October 28<sup>th</sup>, 2005**.

Worked as a **Lecturer** in the course of Information Technology run by Department of Electronics Science, **Kurukshetra University, Kurukshetra, Haryana, INDIA** from **August 12<sup>th</sup>, 2003** to **March 23<sup>rd</sup>, 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 with 72%.

#### 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

**nsgill\_2k4@yahoo.com, +91-9355627736**

**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, Entrnz, ExomBlast

#### 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 94<sup>th</sup> Indian Science Congress Conference (ISCA-2006) Annamalai University, Annamalai Nagar, 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 2<sup>nd</sup> 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 2<sup>nd</sup> 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 94<sup>th</sup> 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 12<sup>th</sup> 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 12<sup>th</sup> 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 2<sup>nd</sup> 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, Uttanchal, 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 21<sup>st</sup> 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 23<sup>rd</sup>-24<sup>th</sup>, 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 11<sup>th</sup>-13<sup>th</sup>, 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 30<sup>th</sup>-31<sup>st</sup>, 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 24<sup>th</sup>-26<sup>th</sup>, 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 20<sup>th</sup>-22<sup>nd</sup>, 2002.

#### **WORKSHOPS/SEMINARS/CONFERENCES/TECHNICAL FEST ATTENDED:**

One day workshop on **Software Testing** on 2<sup>nd</sup> 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 7<sup>th</sup>, 2007.

**94<sup>th</sup> 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 25<sup>th</sup>, 2006.

**Workshop on Information Technology for Teachers** organized by Deptt of Computer Science and Applications, **M. D. University, Rohtak, Haryana, INDIA** on January 7<sup>th</sup>, 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 30<sup>th</sup>, 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, **Hisar, Haryana, INDIA** from October 15<sup>th</sup>-16<sup>th</sup>, 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 19<sup>th</sup>-20<sup>th</sup>, 2004.

**Third “Hindi” Indian Science Congress** organized by Vigyan Bharti, & Bhartiya Swadeshi Science Movement, Delhi at **National Physics Laboratory, New Delhi, INDIA** from February 19<sup>th</sup>-21<sup>st</sup>, 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 29<sup>th</sup>-31<sup>st</sup>, 2004.

**91<sup>st</sup> Indian Science Congress** on the theme “**Sciences and Society in the Twenty First Century -Quest for Excellence**” from January 3<sup>rd</sup>-7<sup>th</sup>, 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 25<sup>th</sup>, 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 25<sup>th</sup>-27<sup>th</sup>, 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. 25<sup>th</sup>-27<sup>th</sup>, 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 28<sup>th</sup>-29<sup>th</sup>, 2006.

#### PERSONAL PROFILE:

<b>Qualification:</b>	<b>M.C.A., Pursuing Ph.D.</b>
<b>IT Experience:</b>	<b>5 Years 10 Months</b>
<b>Books Published:</b>	Two (02)
<b>Papers Published:</b>	Twenty Nine (29)
<b>Language Known:</b>	Hindi, English, Spanish, French
<b>Passport Number:</b>	F1719999
<b>Permanent Address</b>	House No. 983, Sector-5, Urban Estate, <b>Kurukshetra,</b> Pin Code -136 118, Haryana, INDIA.

**Date: June 12, 2009**

**PRADEEP TOMAR**