**RESUME**

**Name :** Preetkamal singh

Course : Master of Technology (M.Tech)

Specialization : Computer Science & engg (CSE)

**ACADEMIC QUALIFICATION**

**Year Course Name of Board/University %age**

2013 M.Tech Chandigarh Engineering College(Landran) 68.9%

2010 B.Tech GGSCET Talwandi sabo(BTI) 63%

2006 XII C.B.S.E 58%

2004 X C.B.S.E 61%

**CORE TECHNICALCOMPETENCIES**

• Analytical and problem solving abilities.

• Able to create programs in C/C++ and Good Software Development

• Good communication and interpersonal skills.

• Quick learner and a good team player.

**THESIS**

**Paper published**

* Review of different stegnographic techniques on medical images regarding their efficiency(IJIET) vol 2 Issue 2 April 2013
* Comparitive analysis of stegnography algorithms intacting the information in medical images regarding their efficiency(IJIET) vol 4Issue 2 july2013

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**OTHER PROJECTS/ASSIGNMENTS**

* **Captcha Reader**

*Digital Image Analysis Course Project*

I made a simple captcha reader to read the captcha in use for the institute web mail. It involved letter

segmentation and training in a semi supervised manner using a KNN classier.

* **Using Structural Information for Object Recognition**

*Computer Vision Course Project*

I investigated various feature vectors and techniques and frameworks for incorporating structural in formation in object recognition tasks.

* **Non Photo-realistic Rendering**

*Digital Image Analysis Course Project*

Implemented color quantization, dithering, image segmentation and edge enhancement (by edge linking,differential thickening and smoothing) to give a painterly look to photo-realistic images.

* **Knowledge Management**

*Independent Project*

Conceptualized new web 2.0 based IT services such as Interest Group Discussion Forums, CampusWiki, Project Database to allow easier collaboration, better information organization and formalizing undocumented technical know how. Designed intuitive user interfaces and work flows for these servicesand customized existing open source drupal and foswiki project (by adding kerberos authentication,LDAP integration), to finally deploy these services in the institut

**CONFERENCES/WORKSHOPS ATTENDED**

* Research Intern at Microsoft Research India, Bangalore in the Vision Graphics and Visualization

Group and worked with ManikVarma and Prateek Jain.

* Attended the 2010 Winter School on Machine Learning and Computer Vision organized by IIScBangalore with Microsoft Research(MSR) and Canadian Institute for Advanced Research (CIFAR)featuring lectures by researchers such as Jitendra Malik, William Freeman, Yair Weiss, Brendan Freyand Martin Wainwright.
* Attended the Special Interest Groups in Communications (SIGCOMM) Conference, 2010
* Will attend the Seventh Indian Conference on Computer Vision, Graphics and Image processing(ICVGIP)
* Will attend the 3rd Microsoft Research India Computer Vision and Graphics Shindig.

**RELEVANT COURSES**

* Computer Science: Computer Vision, Digital Image Analysis, Approximation Algorithms, Numericaland Scientific Computing, Parallel Programming\_, Computer Networks, Operating Systems, Theory of Computation, Analysis and Design of Algorithms, Programming Languages, Digital Hardware Design,Computer Architecture, Discrete Mathematical Structures, Data Structures, ICTs for Development.
* Mathematics: Graph Theory\_, Numerical Optimization, Statistical Methods and Algorithms, Probability Theory, Stochastic Process, Real

**COMPUTER SKILLS**

* **Programming Languages:** Java, C/C++, Perl, Python, SML, Lex, Yacc, Prolog, PHP, MySQL,JavaScript, VHDL, MIPS32 (Assembly Language).
* **Software Packages**: Matlab, C#, .Net.
* **Platforms**: Linux and Windows.

**EXTRA CURRICULAR ACTIVITIES**

* Programming Contests: Actively participate in online programming contests(OPC) and have wonthe following awards.
* Won the 1st prize in inter college pen and paper based algorithms event at Tryst 2010

**POSITION OF RESPONSIBILITY**

* Served as a Student Mentor for the CSE Department First Year Students. Helped them get acquaintedwith the college studies and environment.
* Worked as Placement Coordinator for Various Placement Drive held in Campus and handled the team of students for the said

**AWARDS AND ACHIEVEMENTS**

 • Awarded as 1st runner up in case presentation on “global recession” during inter B-school campus event 2009 in Institute of Management and Technology.

 • Secured second position during annual science exhibition in school.

* Won three leg race during school period.

**Experience**

 • Worked as Assistant professor in Guru Hargobind Polytechnic College from sept 2013 till march 2015.

**PERSONAL DETAILS**

**DOB :** 02-07-1988

**Age :** 25

**Father Name :**S.Lakhbir singh

**Hobbies :** Listening to music, net surfing,watching and playing football

**DECLARATION**

I hereby, declare that the information furnished above is true to the best of my knowledge.

**Name:** Preetkamal Singh **Date :**1-06-2015

**Contact No :** 978075789**7**

**Address** :#B-XI/2693,street no-2

 Ram bagh road

 Barnala(148101**)**

**Email** **:**preet88kamal@yahoo.co.in