PUNIT SINGH KOURA

MALE, 20 YRS

EDUCATION

B.E. (Hons.) Computer Science	2011-2015	B.I.T.S. Pilani, Pilani Campus	9.23/10	-
AISSCE (Class XII)	2011	Govt. Model Sr. Sec. School, Chandigarh	94%	Distinction
ICSE (Class X)	2009	St. Stephen's School, Chandigarh	92.14%	Distinction

Electives Completed: Fuzzy Logic and Applications, Principles of Economics, Artificial Intelligence, Computer Graphics

INTERNSHIPS

Summer Intern, **Bhabha Atomic Research Center (BARC)**, Mumbai   May 2013-July 2013

BARC is a premier multi-disciplinary Nuclear Research Centre of India having excellent infrastructure for advanced Research and Development

- A member of a team of three responsible for analyzing the available Unstructured Mesh Partitioning Algorithms and to integrate the best suited Software (METIS) to BARC's Computational Fluid Dynamics (CFG) Solver.
  - o The integrated software became a part of the Super Computer used for CFG Calculations and simulations by the Super Computing Facility at BARC.

Professional Recognition
- The integrated software was much appreciated by the Scientific Officers at BARC.

ACADEMIC PROJECTS

- Project Title - "Detection and Removal of Cracks in Digitized Paintings". The project aimed at restoration of old paintings and murals through the use of Image Processing Algorithms. I was a part of a team of two. I was responsible for the software development part in Matlab. We developed an algorithm to restore some data set of images.
- Project Title – "Algorithms for extraction of pre-defined macro level components from digitized murals".
  This is an ongoing project and is of a one year tentative duration. The project is aimed at feature extraction and indexing of murals on the basis of certain macro level components. I am a part of a team of two. I am currently working on pattern matching algorithms.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Awarded the Merit Scholarship by B.I.T.S. for academic excellence.
- Awarded the Cisco Certified Network Associate (CCNA) Certificate. (Score 947/1000).
- Selected in the Regional Selection Round of the All India Chemistry Olympiad (2011).

POSITIONS OF RESPONSIBILITY

- As a member of the Flash team at Department of Visual Media, I was a part of a team of two responsible for the animation of the Oasis – 2012 website.
  - o Responsible for animation of the various elements of the website using Flash.
  - o I was awarded a certificate from the coordinator of Oasis for my contribution to the website.
- I was the School Captain (one of four such Captains) during my academic year 2008-2009.
  - o Responsible for the workings of 40 Vice-Captains and Captains, who were in turn responsible for maintaining order in School.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Participated in ACM-ICPC Regional Finals for 2014. (Regular participant in Programming Contests).
- Member of the Department of Visual Media (DVM), a department responsible for various facets of animation and website development at BITS. I work on Flash, and am responsible for mainly the website animation.

RELEVANT SKILLS

- Operating Systems: GNU/Linux, Windows.
- Programming Languages: C, C++ (advanced), Java, Flash.
- Scripting Languages: Bash Shell, Python (Basics).
- Ability to network a medium sized LAN.
- Web Technologies: HTML, CSS, JavaScript, Django (Basic).
- Other Tools: OpenCV (advanced), Matlab (Moderate), OpenGL (Basics).