

Chetna Gupta

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Objectives :

I strongly believe that “Technology must be like oxygen: ubiquitous, necessary and invisible”. My objective is to grasp momentous changes in technology, science & society and convert those changes into objects that people can understand and use as a soaring exercise of their imagination.

Academic Qualifications :

<u>Institute</u>	<u>Degree</u>	<u>Score</u>
Sacred Heart Senior Secondary Chandigarh	CBSE 10 th Boards (2008-2009)	96.8%
SGGS Chandigarh	CBSE 12 th Boards (2010-2011)	90.4%
International Institute of Information and Technology	B-Tech in Computer Science (2011-2015)	GPA(current) 8.9

Awards:

2011.Monsoon - Dean's Merit List

2012, Spring - Dean's Merit List

Achievements:

Zonal level winner of Microsoft Appathon for developing app, Lookout; Selected to represent Hyderabad at ***National level***; Only team invited to demonstrate app at ***India Development Center(IDC) awards ceremony at Microsoft, Hyderabad*** .

Projects :

➤ **Safety Application For Sole travelers: LookOut**

Lookout: A motion triggered windows phone application conceptualized and developed to arm sole travelers which panic calls all the nearby police stations, calculated using user's GPS coordinates. To get immediate help, it also locates nearby friends from mobile contacts & on social networks, automatically sending them SOS messages indicating traveler's current location.

➤ **Location identification using WAP**

Built an offline GPS for Android based mobiles, using triangulation of Wi-Fi Access Points(WAP), facilitating alien travelers and visually impaired to get directions in a building. This enables users to **locate** their **destinations within a radius less than 10 meters** which is not possible in the current online GPS.

➤ **Off-air Radio (No buffering time)**

Winner of the Open Source Development Group hackathon for developing an off-air peer-to-peer songs and announcement sharing radio which

counters the buffering time issue involved in almost all the online song sharing and streaming systems.

➤ **Platform Independent Image Processor for Solving Sudoku**

Devised a combinational use of HTML5 and JavaScript to create Sudoku solver mobile application that runs natively on nearly ***every mobile device and does not require a browser!*** Moreover, automatic image processing enables the user to capture the puzzle using mobile camera, thereafter the app materializes the solution on the mobile screen.

Other College Projects:

➤ **Offline Social Networking Website**

Have built a mini-social networking site connecting people in absence of internet. The website enabled users to share ideas and comment about issues of interest on LAN.

➤ **Backend Application**

Developed a backend application using php, mysql and apache for an immigration company as a part of course project.

➤ **Interactive User Defined Shell**

The goal of the project was to develop a user defined interactive shell program that can perform all standard IPC operations. It was also able to handle file and stream buffers, giving proper perception of Bourne shell.

➤ **Game Development**

Rendered various games using python, C++ and OpenGL. Integrated the motion detection technology (kinect) with programming languages to capture the user's motions and animate his caricature in the game.

Skill Set :

Programming languages	C, C++, Python, Java, PHP,Perl
Libraries and APIs	C/C++ : STL(Standard Template library), OpenGL(Glut) Python: Matplotlib,sqlite3,md5,os,time,etc
System Tools	Linux Bash, Emacs
Computing platforms	MatLab
Animation	Flash
Miscellaneous	Web2py,Codegniter,Oracle MySQL,Kinect

Extra Curricular :

- Represented Chandigarh at ***Chess Nationals 2007-2008 Tirupati & 2008-2009 Guwahati.***
- Achieved ***first position in Under 19 Inter College Chess Championship, Chandigarh.***
- Member of the team selected for ***North-West Zone Chess tournaments.***
- Declared as ***Best Chess Woman player(2011-2012)*** at IIIT-Hyderabad.
- Declared as ***Tricity Writer by Classmate ITC.***