**Bittu Chauhan**

42/16 piru vihar❖delhi cantt, ND 110010 ❖ 09911517730❖ bittuchauhan10@gmail.com

*Targeting an Internship as a…*

**COMPUTER PROGRAMMER**

* **Computer Gaming Project** whose academic credentials are reinforced by hands-on programming experience gained during the project with **West College, Scotland**.
* **Consistently commended by professors** for programming abilities; strong grasp of technologies (e.g., C++, PHP, HTML and python); and attention to detail.
* ***Competitive programming:*** Participating and learning the new algorithms regularly.
* ***Won prizes for intercollege coding competition.***

**Education**

* **10th from Kendriya Vidyalaya Sangathan (CBSE board)** with 9.6 CGPA.
* **12th from Kendriya Vidyalaya Sangathan** **(CBSE board)** with PCM and Computer science scoring 89.8%.
* **B.Tech. (Computer Science) from University of Delhi** currently enrolled in third year with aggregate percentage 77.50%.

**Co-curricular and Extra-curricular Activites**

* **Won prize for delivering Extempore at School level.**
* **Organized intercollege web-development events** for college tech fest

1. Webiesta in turington’14.
2. Webiesta 2.0 in turington’15.

* **Have lead two teams** for IIT- Bombay robotics competition with themes-

1. Warehouse management.
2. Search and Rescue.

**Technology Summary**

* ***Programming/Languages:*** C++, python, java script, php, MySQL, Html, Css, embedded C, XML.
* ***Source Code Control:*** GIT, Bazaar
* ***Databases:*** Oracle 8.x/9.x , MySQL

***Design & IDE Tools:*** Code blocks, Dev. C++,Xampp ,Atmel Studio ,Arduino ,Microsoft’s touch develop.

* ***Office Tools:*** MS Word, Excel, PowerPoint.
* ***Operating Systems:*** Windows 7 and above, Ubuntu 14+ , Mint

**Minor Project(s)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* ***BRAD:*** short for Braille Display developed by a team of 3 students (Bittu Chauhan, Arya tanmay Gupta, Dhawal Chawla) is a prototype of a device that can be used to enable Blind person read any text based content by converting the text to braille alphabet and displaying it on the device. The link to access the report of this project is linked below.

<https://drive.google.com/file/d/0Bwo1Grx60oCjNUQxZmJYWXJ2VDA/view?usp=sharing>

* ***Image recognition:*** A project based on python (Anaconda) using the openCV library to capture and find the different face’s in a video feed by applying Viola-jones algorithm. Github code can be accessed from here.

<https://github.com/bitsch/opencv>

* ***Maze solving robot:*** atmega32 robot to detect black line and follow it. Maze was solved by using Left/Right hand rule to find the path to desired location.

**Other works**

* ***Robotics and embedded systems:*** working for past two years with the college society in small projects including embedded systems, arduino, electronics etc.
* ***Computer/Mobile game development:*** selected for the gaming project under UKIERI program to visit Scotland, UK. Some games can be accessed here.

1. <https://www.touchdevelop.com/lipkro>
2. <https://www.touchdevelop.com/iqzyg>

* ***Web development:*** Currentlyworking with the college administration to restructuring the attendance portal for the college website.
* ***Delivered workshops:*** Workshops based on introduction of robotics delivered at few colleges to encourage other students in the field of robotics.