**RITWIK bhardwaj**

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**EDUCATION**

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| --- | --- | --- | --- |
| **Course/ Board** | **Institution** | **Year of Passing** | **Percentage/GPA** |
| B.S Computer Science | Purdue University, West Lafayette, Indiana, USA | 2020 (expected) | - |
| Class-12  AISSCE(Science ) | Delhi Public School, Greater Noida. | 2016 | Aggregate- 93.8%  Best four -97% |
| Class-10 (CBSE ) | Delhi Public School, Greater Noida. | 2014 | CGPA-10 |

**ACADEMIC ACHIEVEMENTS AND AWARDS**

* **‘Lord of Code’** programming competition - **Ranked 10th out of 500 participants.** Organized by **Amrita University on codechef.com** for school students. Won an amazon gift card and lord of code sweat-shirt.
* **‘3rd Prize in Senior Programming’** - **(over 100 schools participated)** at inter-school computer fest in Alcohn Public School, New Delhi.
* Won **the Co-Scholastic Award** for excelling in ‘**Computer Skills**’ in the session 2013-14.
* Passed **‘Zonal Computing Olympiad 2016’** (programming Olympiad for school students).
* **Awarded a** **Gold medal** by DPS, Greater Noida for excellence in academics for six consecutive years.
* **German language Certification**: ‘FIT IN DEUTSCH’ levels A1and A2.

**Positions of responsibility**

* **‘President, Academic Cell’** of DPS Greater Noida in the year 2015-16.
* **Organized** study groups for academically weak students after school hours.
* **‘Head of VFX and Programming’** of the computer club, Nexus, of Delhi Public School, Greater Noida.
* **Organized** programming workshops for students.
* **Organized** the annual computer fest, “NEXUS”.

**Trainings and skill sets**

* **Algorithms and Data Structures –** Experience in advanced algorithms and data structures like **graphs, trees, segment trees, DP.**
* **Competitive Programming** experience with **hackerrank.com** and **codechef.com** for over **2 years**.
* **C and C++ - 3 years** of experience
* Attended a **Programming Workshop for Competitive Programming** at IIIT Delhi from 20th October to 31st October.
* **JAVA –** Good command and experience in the language.
* 3 years of experience in **‘Adobe After Effects’.**
* Vast knowledge and experience in **‘Adobe Premiere Pro’.**
* Basic knowledge of **HTML**.
* Good Command over **‘SQL’**.

**VOLUNTEERING ACTIVITIES**

* Mentored ‘special children’ under various categories such as **ADHD, Cerebral Palsy, Down Syndrome, Autism, Learning Deficiency** etc. under the guidance of Sharmila Shekhar, a special educator(RCI Registration Number:A43737). (13th April’15-7th May’15)
* Taught Poor children at home for free (250 hours).
* Took part in Swachh Bharat Abhiyaan. Went to street to street cleaning the roads along with other students and faculty members of Delhi Public School, Greater Noida.

**INDEPENDENT PROJECTS**

* **Created** a detailed database management system to keep records of all the members of a particular institution using **C++**.
* **Developed** a game of tic-tac-toe on **C++**. Both single player and double player. The hardest difficulty of single player was made using min-max algorithm making the computer bot unbeatable.
* **Developed** a game of hangman on **C++**.
* **Created** a 2-D platform game, Maze game, and multiple Quiz games using **Macromedia Flash**.
* **Created** a Contra Shooter, and a fruit catching game using **gamemaker**.

**extra-curricular activities and achievements**

* Participated in the ‘**Indo-German Exchange Programme**’ 2012 with Katherinen Gymnasium, Ingolstadt, Germany in partnership with Max Mueller Bhavan(MMB). Awarded 100 euros by MMB.
* **2nd position** in the ‘**Film Making**’ Category at Code 2015, the annual inter-school computer fest of Apeejay School, Noida.
* **3rd position** in the ‘**Film Making**’ Category at Code 2014, the annual inter-school computer fest of Apeejay School, Noida.
* **1st position** in the **‘Movie Making’** Competition’- an intra school competition organized by D.P.S Greater Noida in 2013.