

RITWIK BHARDWAJ

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EDUCATION

Course/ Board	Institution	Year of Passing	Percentage/GPA
B.S Computer Science	Purdue University, West Lafayette, Indiana, USA	2020 (expected)	4.0
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'** competitive programming competition - **Ranked 10th out of 500 participants**. Organized by **Amrita University on codechef.com** for school students.
- **'Hack Illinois'** – Won the **'Small World'** prize for **the best travel related app** at HackIllinois 2017. Won an Oculus Rift.
- **'Hello World'** hackathon – Won the prize for **best web application**. Created an app to detect the face of a celebrity from a movie and display information about them by scraping their Wikipedia page.
- **'Arch Hacks'** hackathon (theme – health) – Won the prize for the best **#HackHarassment app**. Created a chat app to make counselling sessions online. I wrote the backend on **node.js** and handled the database on firebase.
- **Ranked 8th in ACM-ICPC (International collegiate programming championship)** Cincinnati regional site.
- **'3rd Prize in Senior Programming'** - (over 100 schools participated) at inter-school computer fest in Alcohon 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.

WORK EXPERIENCE

- **'Software Engineer- Intern'** (May-Aug 2017) at **Genesys | Interactive Intelligence**, Indianapolis
- **'President, Academic Cell'** of DPS Greater Noida in the year 2015-16.
- **'Head of VFX and Programming'** of the computer club, Nexus, of Delhi Public School, Greater Noida.

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 **4 years**. **C and C++ - 4 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.
- **JAVASCRIPT, NODE.JS, JQUERY** – **1 year** of experience.
- 3 years of experience in **'Adobe After Effects'** and **'Adobe Premiere Pro'**.
- Basic knowledge of **HTML** and **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).

PROJECTS UNDERTAKEN

- **ItineratR** – Developed a web-app to find the perfect vacation destination for people and generate a complete Itinerary for their trip. I made the back-end using Node.js. Used multiple API's to get hotel and flight data, points of interest, restaurants, etc.
- **VGrep - Created** an app to generate automated class notes from a lecture video (Android app). Used Speech to text API to get the transcript of a video and then generated notes from the transcript using Machine learning algorithms.
- **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.
- **Created** a detailed database management system to keep records of all the members of a particular institution using **C++**. **Sinless** – An app (Web and android) to make people Sin-less by deducting money from their account if they were unable to complete certain tasks. I called the capital one API on the web server (Node.js) for doing transactions and wrote the code for android app for the tasks (tracking steps taken, see if user is using the phone when the focus timer is on, check if user is swearing in text messages). **Won prize for being in the top 10**.