

Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2022 - 2026	B.Tech	Indira Gandhi Delhi Technucal University For Women	8.12/10
2022	CBSE(XII)	Dehradun Public School, Muzaffarnagar	91%
2020	CBSE(X)	Holy Angels'Convent School, Muzaffarnagar	96.2%

Scholastic Achievements

- Secured a place among the top teams out of 250+ participating teams from the college in **Smart India Hackathon**
- **Gssoc'23 scholar** as Open Source Contributor.
- Exemplified exceptional academic performance during the 2019-20 academic session,in the receipt of prestigious Academic Excellence Award.
- Among the **top 0.3%** of the 1.5 million applicants in JEE Mains 2022.
- Emerged as the top-performing participant in the **National Maths Olympiad** and **International English Olympiad** conducted by the Science Olympiad Foundation, securing the prestigious **Gold Medal**.
- Received certificate of Excellence in 7 Weeks long project under the (**Summer internship on 'Python And ML'**) programme at IGDTUW.

Key Projects

- **CODE EUREKA- coding platform** | Web Development Project | Self Project (April'24)
(<https://codeeureka.netlify.app>)
 - * Code Eureka is a dynamic online platform tailored for coding enthusiasts. **JavaScript**, **React** for backend and **HTML**, **CSS** for frontend and deployed the website on the netlify platform.
 - * This project serves as a comprehensive hub for learning and mastering various programming concepts and languages.
 - * In my role as the lead developer, I spearheaded the conceptualization, design, and implementation of "Code Eureka," ensuring its alignment with the needs of our target audience.
 - * This project stands as a testament to my proficiency in web development, project management, and problem-solving, reflecting my commitment to leveraging technology to empower and inspire individuals in their coding journey.
- **Weather Prediction and Analysis Project** | Machine Learning Project | Self Project (June'23- July'23)
(<https://colab.research.google.com/drive/1RP9LoWtPVtaPPUoaL3V8uSslFuhY3Bnr#scrollTo=pxD8OgoLGjA&line=1&unififier=1>)
 - * Developed a robust **weather forecasting model** capable of predicting weather patterns with precision, contributing to a deeper understanding of weather prediction methodologies and machine learning applications.
 - * Collected and preprocessed large datasets of historical weather data using Python libraries such as **Pandas** and **NumPy**.
 - * Implemented ML algorithms **Random Forest**, **SVM** to create predictive models capable of forecasting temperature, humidity, and precipitation with a **high degree of accuracy**.
- **Unity Game Development** | Self Project (June'23)
(<https://drive.google.com/file/d/134Vro4UkoIpyw55pjwvqEfgo4xpZV2h/view?usp=drivesdk>)
 - * Spearheaded the development of "**Venom**", a dynamic and engaging 3D game built using Unity game engine.
 - * Implemented core gameplay features, such as character movement, combat mechanics, and interactive environments.
 - * Conducted regular playtests, gathered feedback, and iterated on game elements to enhance user experience and optimize performance.
 - * Used **NodeJs**, **ExpressJs** and **MongoDB** for Backend.
- **FitGenius:A Gamified Fitness Enhancer** | WebDev and ML Project | Self Project (April'23)
 - * Trained ML Model using **MideaPipe** to check the correctness and timings of Yoga poses performed by the user and approve the same.
 - * Created a voice bot to guide the user to perform yoga poses and play games. Also wrote code to display visuals of poses to guide users.
 - * Embedded endless runner games to let user play after successful completion of yoga [required real life movement of user for their avatar to imitate the actions on screen and pass the hurdles]
 - * All evaluations performed on real time video feed and ML model gave **accuracy rate of 95%**.
- **Restaurant Review App** | Web Development Project | Self Project (December'22)
 - * Developed full stack web application for reviewing and hosting restaurant businesses using **MongoDB**, **Express**, **NodeJS** for backend and **EJS**, **bootstrap** for frontend and deployed the app on the Heroku cloud platform.
 - * added features like user authentication, adding reviews, uploading an image, search and filter, adding map locations, and error validations by writing various GET and POST requests.

Technical Skills

- **Programming Languages:** C, C++, HTML, CSS, JavaScript, LaTeX, MATLAB, Python. (<https://leetcode.com/navyajain0203/>)
- **Software and Libraries:** NodeJS, Numpy, Pandas, Matplotlib, Unity, Figma
- **Problem-Solving Skills:** Proficient in problem-solving, demonstrated by successfully solving over **100** questions on **LeetCode**.

Positions of Responsibility

- **Head Coordinator HR, Innerve IGDTUW**
 - Jointly worked with my team and Designed an exceptional game for the annual Technical Fest of the Institute.
 - Coordinated with the Team and helped in the organisation of **Technical Fest**.
- **Mentor, Desh ke Mentor Program** (February'23-April'23)
 - Mentored Youths in classes 10th and 12th and gave them career advice as a part of the Delhi Government's Desh Ke Mentor Program.
- **Coordinator, GDSC IGDTUW** (March'23-Ongoing)
 - Member of Google Developers Students Club and Helped in Organising Various informative Sessions and **Hackathons**.

Relevant Courses

Data Structure and Algorithms	Signal, Systems and Networks	Digital and Analog Electronics
Database Management Systems	Engineering Mathematics	Programming in C
Communication Skills	Machine Learning	Developing Soft Skills and Personality

Extra-Curricular Activities

- Completed the Master Course of **SIP abacus** and Secured **rank 3** at Zonal level.
- Winner in 800m Run in an inter-district sports event.
- Karate Practitioner (Advanced Level, Black Belt) and **Gold Medalist** in KARATE (National level)
- Participated in several Art Contest at State and National level.