

EDUCATION

Delhi Technological University, <i>B. Tech in Information Technology</i> Delhi	CGPA: 9.04/10.0	2021-2025
Vivekanand Public School, <i>12th CBSE</i> Delhi	Marks: 95.2%	2021
Bal Bharati Public School, <i>10th CBSE</i> U.P.	Marks: 94.8%	2019

EXPERIENCE

Echio | *Machine Learning Intern* | Hybrid (Noida)

JUNE 2024 – JULY 2024

- Developed advanced recommendation algorithms for influencer marketing using machine learning, increasing brand-influencer match **efficiency by 30%** and boosting campaign **engagement rates by 15%**
- Engineered targeted influencer recommendation systems, elevating **user interaction by 25%** through custom suggestions that matched brand requirements and campaign strategies precisely.
- Optimized **content based filtering model** to enhance prediction, accuracy and system performance
- Worked closely with **founders**, marketing teams, and software developers to build the recommendation system, ensuring seamless functionality and user experience.

Unified Mentor | *Data Science Intern* | Remote (Gurugram, Haryana)

Feb 2024 – APRIL 2024

- Orchestrated a collaborative effort within a team of peers to conduct in-depth analysis of extensive datasets, employing exploratory data analysis methodologies to discern salient features for model development.
- Seamlessly amalgamated findings into an intuitive and interactive dashboard interface using PowerBI Desktop and PowerBI service, ensuring accessibility and ease of interpretation for end-users.

ACADEMIC PROJECTS

HOSPITAL APPOINTMENT SYSTEM [[LINK](#)]

- Utilized **React.js** for the frontend, enabling users to book appointments, search for available doctors, post reviews, and process appointment fee payments.
- Leveraged **MongoDB** and **Mongoose** for secure data management, integrating authentication mechanisms using **JWT** and **cookie parser**.
- Utilized **Express.js** and **CORS** to create a robust backend API, ensuring seamless communication between the client and server.

CHAT ANALYZER [[LINK](#)]

- Analysed WhatsApp group chats to extract insights such as message frequency by user, active hours, and most frequent words, both at group and individual levels.
- Employed **Pandas**, **NumPy**, **NLTK**, and **Seaborn** for data processing and analysis, **Matplotlib** and **Wordcloud** for data visualization; and **Streamlit** for creating an interactive user interface.

2048 GAME [[LINK](#)]

- Developed a **React.js** based **2048 game** application, featuring **tile movement**, **score tracking** and **game over** conditions at 2048 tile value
- Demonstrated proficiency in **front-end** development, algorithm implementation and responsive UI.

SKILLS

Programming Languages	C/C++, Python, JavaScript, SQL
Robotics	ROS, Gazebo, Rviz, Arduino
Libraries/ Framework	NumPy, Pandas, Matplotlib, ScikitLearn, OpenCV, NLTK, Streamlit, Tableau, Express.js
Databases	MongoDB, Mongoose
Web Development	HTML, CSS, JS, React.js, Tailwind-CSS, Bootstrap
Course Work	DBMS, OOP, DSA, OS, Compiler Design

ACHIEVEMENTS

- 2nd Runner Up** | *Intelligent Ground Vehicle Competition (IGVC)* | **Michigan U.S.A** (2023)
Successfully built and deployed an autonomous three wheeled robot to traverse a course of obstacles and hurdles.
- Appeared in **Dainik Jagran Delhi** | *1st June 2023 and 21st June 2023*.
- 2nd position** | *Codescript Competition* | **Front-End Web Development** (2023)
- 1000+** Coding Problems | *Leetcode, Codechef, Codeforces, Hackerrank, GFG*
- 4 Star Coder** | **Codechef, Pupil** | **Codeforces**
- Ranked among **top 10%** of university students in terms of CGPA

POSITION OF RESPONSIBILITY

Software Head at Unmanned Ground Vehicle (UGV-DTU). A tech-team that works on building autonomous vehicles.