

# Rajat Sharda

+91 7982503475 | rajatsharda23@gmail.com

<https://www.linkedin.com/in/rajat-sharda-3b562622b> | <https://github.com/rajatsharda23>

## EDUCATION

**B.Tech.** - Delhi Technological University (CGPA: 8.50)

December 2021 - Current

**Major** - Electronics and Communications Engineering, **Minor** - Computer Science: Data Structures and Algorithms, OOPS, DBMS, Soft Computing, Machine Learning and Advanced Algorithms, Computer Architecture, Programming in C

**Class 12th** - Mayo International School Delhi (Percentage: 91.6%)

August 2018 - March 2020

**Class 10th** - Delhi Public School, Indrapuram (Percentage: 87.6%)

August 2006 - March 2018

## TECHNICAL SKILLS

Languages                      Java, C++, Python, Javascript, NodeJs, C, React, HTML & CSS, Tailwind CSS, Git  
Databases and Tools        MYSQL, Firebase, MongoDB, Streamlit, OpenAI, NeMo-GuardRails, Colang, Sanity, VS Code, Eclipse, Github, MS Excel

## PROJECTS

- **RhythMate** - <https://rhythmate-frontend.onrender.com>                      January 2024 - February 2024  
*Technologies Used: React, Tailwind CSS, MongoDB, NodeJs, Express.js, Spotify API*  
Crafted a Tinder inspired web-app using React and Tailwind CSS, offering users an engaging platform to connect with potential matches. Leveraged MongoDB and Express.js for seamless data management, while integrating the Spotify API to enhance matchmaking based on music preferences. Implemented key features like user authentication, profile creation, swiping and real-time messaging, ensuring a seamless user experience.
- **ChatBox (R2/D2)** - <https://r2d2bot.streamlit.app/>                      December 2023 - January 2024  
*Technologies Used: Python, OpenAI's gpt-3.5-turbo-instruct, NeMo-GuardRails, Streamlit, Colang*  
Developed a chatbot called "R2/D2" using OpenAI's GPT API, which can answer any questions from the Star Wars universe. Implemented Guardrails to keep the chatbot in context and avoid all hallucinations and jailbreaking attempts.
- **Invictus Website (DTU Technical Fest'24)** - <https://www.invictusdtu.in/>                      December 2023 - January 2024  
*Technologies Used: React, Nextjs, Tailwind*  
Supervised and co-lead a team of 6 to develop the official website of INVICTUS'24 - Technical fest of DTU. It is a one-shot platform to register, make teams and participate in all events of the fest.
- **CreatiVerse** - <https://creativverse23.netlify.app/>                      July 2023 - August 2023  
*Technologies Used: React, Sanity, Tailwind CSS, Google Auth API*  
Developed a Pinterest-inspired web application offering users a visually engaging platform to add, discover and save content pins. Users can add comments, search pins from various categories and also discover other similar pins. They can also view user profiles and check their created or saved pins. Uses Google authentication and Sanity for saving content.
- **Maze Path Finder** - <https://narutoapp.netlify.app/>                      March 2023 - April 2023  
*Technologies Used: JavaScript, HTML, CSS, JQuery*  
Contains a 2D grid with a start and end cell. Users can fix positions for start and end, add different types of obstacles which take different times to cross, and add multiple destinations. Shortest path in the given conditions can be found using BFS, Dijkstra and A\* algorithms.
- **Movieverse (Netflix Clone)** - <https://movieverse-n9uh.vercel.app>                      September 2023  
*Technologies Used: JavaScript, HTML, Firebase, Stripe*  
Created the backend database and integrated email & password authentication using Firebase. Also implemented the forgot password functionality to send out reset password links to valid users, and added Stripe payment gateway for buying subscriptions.
- **Retail Management System** -                      May 2022 - July 2022  
*Technologies Used: Java, MySQL, Javafx swing*  
Crafted a robust retail management system integrating inventory, customer, and order management. Employs intuitive UI with javafx swing, streamlining operations and ensuring accurate order total calculations for enhanced user experience.

## ACHIEVEMENTS

- IEEEExtreme winner - Country : 71, Regional(R10) : 296, Global : 558
- Certification for "Master Course of Rapid Application Development" for SDLC and RAD from Udemy
- Certification for "Machine Learning Specialization" from Coursera

## EXTRACURRICULAR ACTIVITIES

- **Head & Events Lead** at INVICTUS'24, the Technical Fest of DTU
- **DSA Mentor** at IEEE DTU, responsible for planning the course and sessions for DSA SIG. Have taken sessions for 150+ students.
- **Computer Society Coordinator**, responsible for managing the websites and all other activities at CS-IEEE DTU
- **Co-Head** at INVICTUS'23, the Technical Fest of DTU
- **Team Lead** at VIHAAN 6.0 - flagship Hackathon of IEEE DTU
- Freelanced as **SME** for Physics and Maths
- Member at Madhurima, the **Music Society** of DTU.
- Played violin, achieving **2.8 Mn+** views on **YouTube** for "Wajood" sung by renowned singer Shahid Mallya.
- Awarded **2nd runners up** out of **30+ schools** across India at Inter-DPS **National Level** Instrumental Orchestra
- Volunteer at NSSS Foundation NGO.