Rajat Sharda

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TECHNICAL SKILLS:

Languages: Java, Python, C++, Javascript, HTML, CSS, React, NodeJs, Tailwind CSS, Streamlit, Colang
Tools/Frameworks: Github, Visual Studio, Postman, NeMo-Guardrails, OpenAI
Databases: MYSQL, SQLite, Firebase, MongoDB, Sanity

EDUCATION:

B.Tech. - Delhi Technological University (CGPA: 8.50)   **December 2021 - Current**

    Major - Electronics and Communications Engineering, **Minor** - Computer Science

Class 12th - Mayo International School Delhi (Percentage: 91.6%)   **August 2018 - March 2020**
Class 10th - Delhi Public School, Indirapuram (Percentage: 87.6%)   **August 2006 - March 2018**

PROFESSIONAL EXPERIENCE:

Freelance, TechiZen India Pvt. Ltd. | OpenAI Embeddings, Langchain, Pinecone, Streamlit -   **March 2024 - April 2024**
- Developed an application utilizing Python, OpenAI's language model, and Steamlit, to enable users to upload PDF files
- Integrated Pinecone database for efficient data storage and retrieval and enabled interaction with users via chat
- Enabled PDF summarization and complex question querying features for users for easy information retrieval

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ACADEMIC PROJECTS:

RhythMate | React, Tailwind CSS, MongoDB, NodeJs, Express.js, Spotify API - https://rhythmate-frontend.onrender.com   **January 2024 - February 2024**
- Developed a Tinder-inspired web application using React and Tailwind CSS, facilitating user engagement and connections
- Utilized MongoDB and Express.js for data management, integrated Spotify API to enhance matchmaking based on music preferences
- Implemented features including user authentication, profile creation, swiping, and real-time messaging to ensure smooth UX

ChatBox (R2/D2) | OpenAI's gpt-3.5-turbo-instruct, NeMo-GuardRails, Streamlit, Colang - https://r2d2bot.streamlit.app/   **December 2023 - January 2024**
- Created a chatbot named "R2/D2" using OpenAI's GPT API to answer queries related to the Star Wars universe
- Implemented NeMo-GuardRails to maintain context and prevent the chatbot from generating nonsensical responses
- Utilized Python, Streamlit, and Colang to develop and deploy the chatbot, ensuring user-friendly interaction and accessibility

Invictus Website (DTU Technical Fest'24) | React, NextJs, Tailwind - https://www.invictusdtu.in/   **December 2023 - January 2024**
- Led a team of six to develop the official website for INVICTUS'24 (tech-fest of DTU).
- Enabled features for event registration, team formation, and participation summary for all fest activities

CreatiVerse | React, Sanity, Tailwind CSS, Google Auth API - https://creativerse23.netlify.app   **July 2023 - August 2023**
- Created a Pinterest-inspired web application using React, Sanity, Tailwind CSS, and Google Auth API
- Enabled users to add, discover, and save content pins; perform category-based search, view user profiles and add comments
- Integrated Sanity for content management and Google authentication to enhance platform functionality and user experience.

Maze Path Finder | JavaScript, HTML, CSS, JQuery - https://narutoapp.netlify.app/   **March 2023 - April 2023**
- Developed a web app using JavaScript, HTML, CSS, and jQuery featuring a 2D grid maze with customizable start and end cells.
- Implemented obstacle addition, multiple destination points, and versatile pathfinding solutions using BFS, Dijkstra, and A* algorithm

Movieverse (Netflix Clone) | JavaScript, HTML, Firebase, Stripe - https://movieverse-n9uh.vercel.app   **September 2023**
- Developed backend functionality and integrated Firebase for email/password authentication, including forgot password feature
- Implemented Stripe payment gateway for seamless subscription purchases thereby enhancing the platform's monetization capabilities

Retail Management System (RMS) | Java, MySQL, Javax swing -   **May 2022 - July 2022**
- Developed a Java and MySQL-based RMS application, encompassing inventory, customer, and order management functionalities
- Utilized Javax Swing to design an intuitive UI, facilitating streamlined operations and accurate order total calculations

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EXTRACURRICULAR ACTIVITIES:

- **Head & Events Lead** at INVICTUS'24, and **Co-Head** at INVICTUS'23 (Tech-Fest of DTU)
- **DSA Mentor** for 150+ students at IEEE DTU, responsible for planning the course and sessions for DSA SIG
- **Computer Society Coordinator**, responsible for managing the websites and all other activities at CS-IEEE DTU
- **Team Lead** at VIHAAN 6.0 - flagship Hackathon of IEEE DTU
- Freelanced as **SME** for Physics and Maths
- Active member of Madhurina (**Music Society of DTU**) with an interest in playing violin (achieved **2.8M+** views on **YouTube**)
- Awarded **2nd runners-up** out of 30+ schools across India at Inter-DPS **National Level** Instrumental Orchestra
- Volunteer at NSSS Foundation NGO