

VISHESH

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EDUCATION

Indian Institute of Technology, Delhi	Delhi
<i>B.Tech. in Materials Engineering</i>	2020 - Present
Overall GPA: 6.855/10.0	
Nav Uday Convent Public School	Delhi
<i>Class XII CBSE</i>	2020
Percentage: 94%	
Salwan Public School	Delhi
<i>Class X CBSE</i>	2018
Percentage: 95.8	

PROJECTS

WhatsApp MERN Clone	June 2022
<i>Self Project</i>	https://github.com/cheeku75/WhatsApp-MERN-clone/tree/master
<ul style="list-style-type: none">Developed a full-stack WhatsApp clone using MERN (MongoDB, Express.js, React.js, Node.js) StackLeveraged Postman to perform comprehensive testing of the REST API of the clone by sending HTTP requests to verify endpointsUtilized advanced features of Node.js, Express.js such as <i>event-driven programming</i> and <i>asynchronous processing</i> to optimize the performance of the cloneUsed MongoDB, a <i>NoSQL database</i>, to store and retrieve chat messages and user data efficiently and scalablyIntegrated MongoDB with Pusher, to enable <i>real-time</i> communication between users and ensure that messages and other data are updated in real-timeDesigned and implemented a responsive user interface with React.js <i>components, props, and state</i> to create a modular and maintainable frontend architecture	
Twitter REACT Clone	May 2022
<i>Self Project</i>	https://github.com/cheeku75/Twitter-REACT-clone/tree/master
<ul style="list-style-type: none">Designed and developed an end-to-end Twitter clone with <i>live-tweeting</i> functionalityLeveraged the React.js library as the core framework for frontendUsed Material-UI's comprehensive set of pre-designed, customizable UI components for Twitter IconsDeployed backend on Firebase for its serverless, real-time data synchronization for a responsive social media; Used Firebase's hierarchical structure of JSON documents for storing and retrieving User Profiles, User tweetsDeveloped a highly <i>modular</i> and maintainable codebase that enables seamless code <i>reusability</i> and <i>scalability</i>	
ANN-based ML Model	September-November 2022
<i>Prof. Suryanarayana Vikrant Karra</i>	https://github.com/cheeku75/ANN-based-ML-model
<ul style="list-style-type: none">Utilized Python libraries such as NumPy, Pandas, TensorFlow, and Matplotlib to predict the Glass Transition Temperatures of Multicomponent Oxide Glasses with as high as 65 elementsConducted extensive data pre-processing, analysis, and modeling using state-of-the-art deep neural network algorithms, including the use of the Adam optimizer, to achieve high levels of accuracy and precisionSuccessfully visualized and communicated the results through effective use of Matplotlib, showcasing advanced technical skills in data visualization	

TECHNICAL SKILLS

Programming Languages: JavaScript, HTML, CSS, C, C++, Python, Java, SQL

Tools/Utilities: L^AT_EX, AutoCAD, MATLAB, MS Office

POSITIONS OF RESPONSIBILITY

- Coordinator, TRYST'23, IIT Delhi:**
 - Led a **3-tier** team with **5+** Activity heads and **20+** Team heads to plan and manage logistics requirements for **100+** Events and **20000+** Participants in North India's largest Technical Fest
- Captain, Cricket Team, Aravali Hostel, Board for Hostel Management:**
 - Led a team of **20+** players to a **3rd Place** finish in Inter-Hostel General Championship 2023 among **10+** competing hostels

EXTRA CURRICULAR ACTIVITIES

- Represented **IIT Delhi Cricket Team** and secured podium finishes in various *national-level tournaments*