ISHAN MATHUR

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EDUCATION

Name of course	Year	College	%	Roll no
Computer Engineering (B.E)	2021-2025	Thapar Institute of Engineering and Technology	8.08 (CGPA)	102103408
CBSE Class XII)	2021	Delhi Public School, Bulandshahr	97.6	21636456
CBSE (Class X)	2019	Delhi Public School, Bulandshahr	98.6	5356333

ACADEMIC PROJECTS

• **DentMorph 3D - 3D Reconstruction of Dental Images**
– Spearheading a collaborative project on advanced 3D reconstruction of dental images.
– Employing cutting-edge deep learning algorithms to transform 2D dental scans into high-fidelity three-dimensional models, encompassing both X-ray imagery and intraoral scan data.

• **Topsis Predictor - Data Science and Web development**
– Developed a data-driven application focused on implementing the TOPSIS method for multi-criteria decision-making.
– The application processes user-uploaded CSV files, utilizing advanced data parsing, validation, and scoring techniques to ensure accurate TOPSIS calculations.
– Utilised nodemailer to email the result and Cloudinary for secure file storage.

• **Flying AeroBuzz - Airport Management System**
– Developed a comprehensive Airport Management System utilizing DBMS, SQL, and PLSQL aimed at optimizing airport operations.The project encompassed key functionalities such as flight scheduling, passenger management, staff allocation, and real-time tracking of airport activities.
– Made detailed use of designing ER models, converting ER models to tables, generalization, specialization, and principles of normalization to ensure data integrity and minimize redundancy.

• **Catch Me - Face Attendance Recognition System**
– Implemented a face recognition attendance system using HTML, CSS, Python, OpenCV, and face recognition libraries.
– The system captures live video from a webcam, detects faces in the video stream, and compares them against a database of known faces.Upon recognizing a face, it marks the individual's attendance and displays their name on the screen. The attendance data is logged for record-keeping purposes.

ACADEMIC ACHIEVEMENTS AND AWARDS
• Currently **KAGGLE MASTER** , rank-521 **(top 1%)** in notebook category and rank-316 **(top 2%)** in dataset category.
• Profile at Kaggle.com, Link- ishanmathurkaggle28.
• Reached the top 5 percentile of Adobe GenSolve- Innovate to Impact, Certificate link. 2024 2024
• Hold a very good hands on Data Structure,and Algorithms. Solved more than 150 problems on Leetcode and HackerRank
• Completed 10 minor courses,on Coursera with completion certificates.
• Awarded Merit Scholarship,in the first year on the basis of JEE Main.
• Gold Medalist,in academics for six consecutive years.
• Cleared JEE ADVANCED 2021,and qualified RMO and PRMO.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

• **Sergeant-At-Arms,Toastmasters Club, Thapar**– Conducted and managed the biggest speaking events on campus like Toast Talks and Toast Tussle. Also served as the marketing and publicity head for these events.
  • **Technical Head,Linux User Group**– Conducted and participated in several hackathons, arranged various technical workshops, and conducted different coding contests
• Zonal-Level Chess player, and State-level Swimming player.

OTHER INFORMATION

• Passionate about problem-solving and strategic thinking, always eager to tackle complex challenges with a data-driven approach.
• Values collaboration and teamwork, actively contributing to cross-functional projects and initiatives.
• Enjoys staying up-to-date with industry trends and continuously seeks professional growth and development opportunities.