



## ADIT RASTOGI

Course : **B.E.**, Computer Science Engineering, 2026

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CGPA : 7.66



<b>Subjects / Electives</b>	Data Structures and Algorithm , Data Mining , Database Systems , Discrete Structures for Computer Science , Object Oriented Programming , Computer Programming
<b>Technical Proficiency</b>	C++ Language , C Programming , Java, SQL Database , Data Science , Game Development , Unity , Python , HTML + CSS

## SUMMER INTERNSHIP / WORK EXPERIENCE

### Summer Developer Intern, Ankle Gaming

May 2024 - Jul 2024

- Developed **Ludo 3D** using the **Unity Engine**, integrating designs created with **Blender** to leverage advanced 3D capabilities for an immersive and comprehensive gaming experience .
- Designed and implemented an intuitive and visually appealing interface for game levels, enhancing user engagement .
- Executed complex game logic and mechanics , including dice rolls and piece movements which boosted game performance by **20-30%** , to ensure seamless gameplay .

## PROJECTS

### Blood Bank - Database Systems

Jan 2024 - May 2024

Project for **CS 212** Database Systems . Blood Bank Management System

- Developed a comprehensive **Blood Bank Management System** utilizing a tech stack of HTML , CSS, Node.js, and PostgreSQL , seamlessly integrating frontend and backend technologies for a user-friendly and efficient application .
- The core of the project centered on advanced database management with PostgreSQL , ensuring the system's robustness and reliability in handling critical data operations .
- Implemented sophisticated **triggers** and **stored procedures** to optimize data retrieval , reducing latency and enhancing the overall performance of the database .

[https://github.com/RastogiAdit/Blood\\_Bank](https://github.com/RastogiAdit/Blood_Bank)

### Loan Prediction - Data Mining

Jan 2024 - May 2024

Project for **CS 415** Data Mining , Comparative Analysis with Decision Trees, XGBoost , and Random Forests

- Developed a **Python notebook** to predict loan approvals and streamline the loan approval process , providing a data-driven approach for decision -making in financial institutions .
- Employed data pre-processing techniques like exploratory data analysis (EDA), feature subset selection , and data transformation to enhance model accuracy and reliability .
- Applied and evaluated the performance of **Machine Learning** algorithms from scikit -learn, including **Random Forest** , **XGBoost** , and **Decision Trees** , to identify the most effective model for loan prediction .
- Curated a comprehensive **research paper** that compared and analyzed the performance of these algorithms , offering valuable insights for future predictive modeling projects .

[https://github.com/RastogiAdit/Loan\\_Predict](https://github.com/RastogiAdit/Loan_Predict)

## EXTRA CURRICULAR ACTIVITIES

### Organising Committee Lead , TechWeek '23

- Spearheaded the seamless execution of a dynamic 3-day event at BITS Pilani Hyderabad Campus , boasting an impressive footfall of approximately 2000-3000 enthusiastic students , enhancing my management skills .

### Member , BITS Comedy Club

- Contributed to the vibrant campus culture by participating in comedic performances and fostering laughter and joy among 4000-5000 fellow students enhancing my public speaking and communication skills .

## TEST SCORES

TEST NAME	DATE OF EXAM	SCORE
JEE MAINS '22	Apr 24, 2022	98.201 Percentile
JEE ADVANCED '22	Aug 22, 2022	Rank: 9428

## COMPETITIONS

### Medha Pratiyogita

Aug, 2017

- Secured **All India Rank 2** in a prestigious national **Quiz Competition** (Medha Pratiyogita ) conducted By **NTPC Ltd.**