

EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech CSE	Thapar Institute of Technology , Patiala	TIET	9.78 (Till 5th Sem)	2022-2026
Senior Secondary	SSSS Modern High School,Amritsar	CBSE	97.2%	2021-22
Matriculation	DAV Public School,Amritsar	CBSE	92.2%	2019-20

PROJECTS

Bookstore Management System

- **Tech Stack used:**React, Node.js, Express, MongoDB
- **Description:** Developed a full-stack MERN application for managing a bookstore.
- Implemented CRUD operations for books with a responsive React frontend.
- Used React Router for seamless navigation between book listing, adding, editing, and viewing pages.
- Integrated MongoDB for data storage and Axios for API requests.

Movie Recommendation System

- **Description:**Developed a content-based movie recommender system to recommend movies based on user input.
- Downloaded and preprocessed a movie dataset from Kaggle
- Implemented text vectorization using Scikit-learn and performed stemming with NLTK.
- Utilized cosine similarity to match movies based on content features.
- Created a user-friendly web application using Streamlit
- Used pyCharm as my IDE.

Weather application

- **Tech Stack used:**HTML,CSS,javascript,Reactjs,OpenWeatherMapAPI
- **Description:**Created a weather app that displays real-time weather conditions by city.
- Used React for state management and Tailwind CSS for styling.
- Integrated OpenWeatherMap API and implemented error handling for invalid searches.

TECHNICAL SKILLS

- **Programming Languages:** C/C++,Python
- **TechStack:** HTML,CSS,tailwind CSS,JavaScript,Reactjs,Nodejs(Express.js),MongoDB,mongoose, Machine Learning[Numpy,Pandas,Scikit-learn]
- **Tools and Technologies:** Linux,Visual Studio Code,PyCharm,OracleSQL
- **Data Structures and Algorithms:** Understanding of data structures like arrays, linked lists, trees, graphs, etc

ACHIEVEMENTS

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| • First rank achiever in 12th grade ,SSSS Modern High School | 2022 |
| • Recipient of merit scholarship worth Rs. 4.15 Lakhs , | 2022-2023 |
| • Recipient of merit scholarship worth Rs. 1.70 Lakhs , | 2023-2024 |
| • Recipient of merit scholarship worth Rs. 4.45 Lakhs , | 2024-2025 |

KEY COURSES TAKEN

- **CSE:**Introduction to C/C++, Object Oriented Programming in C++, Data Structures and Algorithms, Design and analysis of algorithm, Operating System, Database Management System, Computer networks, Software Engineering, Computer architecture,Machine Learning

POSITIONS OF RESPONSIBILITY

- **Member**,Entrepreneurship Development Cell,TIET