

## Education

---

**National Institute of Technology Silchar**, Assam, India

*Nov 2022 – June 2026*

Bachelor of Technology – Electronics and Instrumentation Engineering

CGPA: 7.07 / 10

**KVM Senior Secondary School**, Alwar, Rajasthan, India

Class 12, Percentage: 90.60

*April 2019 – March 2020*

Class 10, Percentage: 87.33

*April 2017 – March 2018*

## Technical Skills

---

**Languages:** C++, Python, HTML, CSS, JavaScript

**Core CS Fundamentals:** Data Structures and Algorithms (DSA), SQL, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS)

**Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

## Project

---

### Movie Recommendation System

- Developed a **content-based movie recommendation system** using the PMDP-500 dataset, leveraging metadata such as genres, cast, crew, keywords, and overviews to generate highly personalized movie suggestions.
- Performed extensive preprocessing of nested JSON-like fields, engineered combined textual tags, and applied **Bag-of-Words** with **cosine similarity** to compute similarity scores and generate top-5 recommendations.
- Integrated **TMDb API** to dynamically fetch and display movie posters; created a visually interactive prototype with **Streamlit**, enabling real-time search and recommendation functionality for end users.
- **Tech Stack:** Python, Pandas, Scikit-learn, Streamlit, TMDb API

## Self-Learning and Development

---

- Exploring Python, Machine Learning, DSA, and Web Development through self-study, online courses, and practical projects.
- Regularly solving coding problems on platforms like LeetCode and HackerRank to strengthen problem-solving skills.
- Built and documented mini-projects while following a structured learning roadmap to track progress.
- Actively staying updated with emerging technologies and applying them in small experiments.

## Position of Responsibility

---

**General Secretary, ILLUMINITS Marwari Club**

*Sep 2023 – Sep 2024*

- Organized and led multiple cultural across campus.
- Gained hands-on experience in team leadership and effective communication.