

# Satya Ranjan Barik

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## EDUCATION

### National Institute of Technology Sikkim

B.Tech – Computer Science and Engineering – CGPA: 8.58

Aug 2023 – Present  
Ravangla, Sikkim

### Tokyo Advance Higher Secondary School, Remuna

Senior Secondary (XII) – 90.33%

May 2022

Baleswar, Odisha

### Khunta Govt. H.S, Khunta

Secondary (X) – 83.33%

May 2020

Baripada, Odisha

## RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Artificial Intelligence

- Operating System
- Database Management System
- Design and Analysis of Algorithms

- Computer Networks
- Data Preprocessing and Mining
- Theory of Computation

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, JavaScript, Python
- **Web Development:** HTML, CSS, Bootstrap, Tailwind CSS, React.js, Node.js, Express.js, PHP
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, VS Code, Linux, Postman
- **Soft Skills:** Problem-solving, Team Collaboration, Communication

## PROJECTS

### Movie Recommender System [GitHub]

Jun 2025 – Jul 2025

Python, Scikit-learn, Streamlit, TMDB API

- Built a content-based movie recommendation system using cosine similarity on movie metadata.
- Implemented feature engineering and an interactive Streamlit interface for top-5 movie suggestions.

### Women Grievance Cell Management System [GitHub]

Aug 2025 – Sept 2025

Node.js, Express.js, React.js, MySQL

- Secure platform for lodging and tracking women-related grievances.
- Added role-based access, authentication, and complaint monitoring with MySQL backend.

### ChatterVerse – Real-time Chat Application [GitHub]

Aug 2025

MERN Stack (MongoDB, Express.js, React.js, Node.js), Socket.io

- Built a real-time chat platform enabling instant one-on-one messaging using WebSockets (Socket.io).
- Integrated secure JWT authentication, online status indicators, and a responsive cross-device interface.

## POSITIONS OF RESPONSIBILITY

### DevCans (Coding Club), NIT Sikkim

Nov 2024 – Present

Active Member

Ravangla, Sikkim

- Organized coding competitions and technical workshops for peers.
- Assisted in developing and maintaining club webpages for event registrations and participant management.

## ACHIEVEMENTS

- Geodata Processing using Python and Machine Learning, ISRO (Feb 2025).

- Completed Deloitte Australia – Data Analytics Job Simulation (Jul 2025).

- Postman API Fundamentals Student Expert certification (Jul 2025).

- Solved 150+ coding problems on LeetCode to strengthen algorithm skills.

## EXTRA-CURRICULAR ACTIVITIES

- UDGAM-2024 Cultural Fest, NIT Sikkim

2024

Member of Publicity and Web Development teams, supporting visibility and event registrations.

- Chess Enthusiast

Present

Regular gameplay to sharpen strategic and analytical skills.