

Prasobh Ratna Shakya — Aspiring Software Engineer

☎ +91 9611264768 • ✉ prasobh.cs23@bmsce.ac.in • in Prasobh Ratna Shakya
🌐 PrasobhRatnaShakya

Summary

A highly motivated and disciplined Computer Science student with a proven track record of excellence in competitive environments. Eager to apply strong problem-solving abilities, rapid learning skills, and a collaborative mindset to develop innovative software solutions. Combines technical curiosity with exceptional soft skills in leadership, communication, and time management.

Projects

Personal Project

TravelNest – Collaborative Travel Packing App

2024

- Engineered a full-stack mobile application using **Flutter** and **Dart** to solve the problem of forgetful packing for group trips.
- Implemented a real-time, collaborative packing list feature leveraging **Firebase** (Firestore, Auth) to enable seamless synchronization between users.
- Designed an intuitive user interface in **Figma** and developed the front-end in **Android Studio**, focusing on a clean user experience.
- Result:** Gained hands-on experience in the full mobile development lifecycle, from ideation to backend integration and teamwork.

Academic Project

Book Recommendation System

2023

- Developed a content-filtering algorithm in **Python** to provide personalized book suggestions based on user preferences, author, and title.
- Utilized data structures like dictionaries for efficient data storage and retrieval, handling datasets of user ratings and book metadata.
- Result:** Strengthened core programming logic and understanding of recommendation system fundamentals.

Achievements & Leadership

National-Level Athlete:

- Achieved **Quarterfinalist** status in a National Ranking Badminton tournament, demonstrating strategic thinking and perseverance by defeating seeded players as an unseeded competitor.
- Holds a personal best of **11.0 seconds** in the 100m sprint. Won multiple Gold medals in 100m, 200m, and 4x100m relay events, showcasing dedication and peak performance under pressure.

Educator & Mentor:

- Volunteered as a Mathematics teacher for grades 9 and 10 at a government school for 3 months.
- Took initiative to develop lesson plans, improving student engagement. Honed skills in public speaking, simplifying complex concepts, and empathetic leadership.

Arts & Culture:

- A self-taught pianist with over 9 years of dedicated practice. Won the annual Talent Show in consecutive years (Class 11 & 12), reflecting creativity, discipline, and a commitment to long-term skill development.

Technical Skills

Developing Foundation: Languages: C, Python, Java, SQL (MySQL), HTML, Dart

Tools & Platforms: Android Studio, Git, VS Code, Firebase, Figma

Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms, Database Management

Creative Software: FL Studio (Music Production)

Education

BMS College of Engineering

B.E. in Computer Science & Engineering, CGPA: 8.65/10

Bengaluru, India

2023–2027

St. Xavier's School

Higher Secondary Education (+2), GPA: 3.79/4.0

Kathmandu, Nepal

2021–2023

Soft Skills

Leadership & Team Collaboration, Effective Communication, Analytical Problem-Solving

Time Management & Punctuality, Active Listening, Adaptability, Discipline