

Sanskar Bhattarai

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PROFILE

Analytical and user-focused Computer Science student with a strong foundation in full-stack development, project management, and community leadership. Experienced in building efficient, cross-platform applications and optimizing workflows through hands-on projects using React Native, .NET MAUI, and SQLite. Skilled in applying data analysis to enhance user experience and event engagement leveraging feedback, analytics, and iterative design to drive results. I bring a balance of technical depth, creative problem-solving, and collaborative leadership to every project.

EDUCATION

The University of Southern Mississippi (USM)

Bachelor of Computer and Information Sciences GPA: 4.0

Hattiesburg, MS

May 2026 (Expected)

Relevant Coursework: Linear Algebra, Advanced Calculus, Statistics, Discrete Mathematics, Data Structures and Algorithms, Object-Oriented Programming, Database Management, Operating Systems.

EXPERIENCE

Leadership and Organizational Experience

Executive Member, Nepalese Student Organization(USM)

May 2023 – Present

Hattiesburg, MS

- * Managed event budgets, student outreach campaigns, and collaborated with campus departments.
- * Led community-building initiatives and helped plan cultural events and academic support workshops.
- * Utilized data-driven planning by collecting and analyzing feedback to optimize event formats and topics, contributing to a 20% increase in attendance.

Desk Assistant

School of Humanities(USM)

January 2025 – Present

Hattiesburg, MS

- * Demonstrated strong communication and organizational skills in a fast-paced academic setting.
- * Prepared operational reports using Excel and SQL, influencing data-driven resource allocation and staffing.
- * Maintained confidentiality and ensured compliance with university policies.

PROJECTS

Employee Management System

.NET MAUI, C#

- Developed a cross-platform desktop and mobile application using .NET MAUI and C# for managing employee leave requests.
- Stored user preferences using the Preferences API for personalized settings.
- Used asynchronous operations with a custom Database-Service to handle data persistence securely in a local database.
- Focused on a clean, user-friendly interface optimized for both admin and employee use cases.

Calorie Tracker(CalTrack)

React Native, SQLite, Node.js

- Built a cross-platform mobile app with React Native that helps users track daily calorie intake, featuring an intuitive UI, real-time goal setting, and personalized reminders to support health and wellness goals.
- Optimized SQLite for fast and efficient storage of food logs, seamlessly integrated the USDA FoodData Central API to deliver accurate nutrient analysis, and empowered users with actionable dietary insights.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, C++, HTML, C#, CSS

Libraries/Frameworks: React, WordPress, Node.js, React Native, FastAPI

Tools/Platforms: Git, VS Code, Visual Studio, PyCharm, .NET MAUI

Database: SQLite, PostgreSQL