

SAMEER BAIJU

Software Developer | AI Integration & Cybersecurity Focus

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EDUCATION

Bachelor in computer application

Tribhuvan University

2022 - 2026

Bachelor in computer application

Institute of Science and Technology (IOST)

2022 Tribhuvan University

• Computer Science

PROJECTS

1 Bus Ticket booking and Reservation

<https://gosewa.com.np/>

A web-based application that allows users to search for buses, view available seats, book tickets, and make reservations in real time. Admins or operators can manage routes, schedules, seat availability, and passenger details. The system ensures secure booking with real-time updates using WebSockets and supports online payments and reservation tracking.

2 Gaupalika Management System – Nepal

02/2024

<https://gaupalika.alsamainternational.com/>

A centralized web app for Gaupalikas to manage wards, households, families, and health data. Each ward can log in to update local records, enabling accurate and real-time census tracking for better planning and public services.

3 Nepal Recycle Bank

<https://nepalrecyclebank.com/>

Nepal Recycle Bank is a digital platform revolutionizing waste management by enabling individuals to schedule pickups for recyclable materials like paper, metal, and plastic. Users earn rewards for their recycling efforts, promoting eco-friendly behavior.

5 NepNeed – Multi-Service Marketplace Platform

02/2023

<https://ineed.alsamainternational.com/>

React and Appwrite (backend as a service) - a Recipe sharing website

- NepNeed** is a multi-service marketplace platform developed in Nepal that connects users with local vendors, freelancers, and ride-sharing providers. The platform allows customers to browse and purchase products, hire freelance services, and book rides—all in one place. It supports custom user roles with KYC verification and offers multiple payment methods including prepaid, COD, and digital on delivery. Built with Django, WebSockets, and a clean RESTful API, NepNeed streamlines local commerce through a unified and user-friendly experience.

4 School Management System

<https://github.com/sameer266/school-management>

A fully functional school management system deployed in a real school environment. It handles student records, attendance, fees, staff management, and reporting—streamlining daily administrative tasks and improving overall efficiency.

- Develop in React and DRF REST Api

6 Bhaktapur_Portal

<https://bhaktapur-sameer.vercel.app/>

A local news website for Bhaktapur city built with Django, HTML, CSS, and Bootstrap. Admins can perform CRUD operations to manage content like news, food spots, culture, galleries, and public notices. Each ward can log in to post local updates, promoting decentralized content management.

SUMMARY

I'm a **full-stack developer** skilled in Django with DRF for backend and React JS with Tailwind for frontend. I build scalable, secure, and high-performing web applications, with a strong focus on real-time features using WebSockets and Celery for seamless user experiences.

I'm also exploring **machine learning (ML)** to integrate AI-driven features into web apps, focusing on data preprocessing, model training, and deployment using tools like LangChain, Scikit-Learn, and Pandas.

Key Skills

Frontend: React JS, Tailwind, JavaScript (ES6+), API integration

Backend: Django, Django REST Framework (DRF), REST APIs, WebSockets, JWT, OAuth

Deployment: Vercel, Docker, Linux, Apache, Nginx, Cpanel

Cybersecurity (Learning): Nmap, Burp Suite, Metasploit, Nessus, Wireshark

Databases: PostgreSQL, MySQL

Machine Learning (Learning): LangChain, Pandas, NumPy

What I Do

- Build and optimize full-stack applications
- Implement real-time communication using WebSockets and Celery
- Secure applications using JWT and OAuth protocols
- Optimize databases for scalability and performance
- Explore and integrate AI/ML capabilities into web applications

Let's Connect

I'm open to work opportunities, collaborations, and discussions related to software development, AI integration, and cybersecurity.

Website: <https://sameerbaiju.com.np>

EXPERIENCE

Full Stack Developer

kitwosd

2023 Kathmandu, Nepal

A IT Service Solution Company

FIND ME ONLINE



Linkedin

<https://np.linkedin.com/in/sameer-baiju-7a3054240>



GitHub

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