

BABITA SHRESTHA

Student

Gwarko, Lalitpur

+977 9811340380

shresthababita19@gmail.com



github.com/BabitaShrestha340380



babitastha.com.np

Motivated and detail-oriented Computer Engineering student with a strong interest in backend development and web technologies. Passionate about building efficient, scalable, and secure web applications using Python and Django. Skilled in database design, RESTful API development, and application architecture, with a keen ability to translate complex requirements into clean, maintainable code. Enthusiastic about continuous learning and adopting best practices in software development. Seeking opportunities to apply and expand technical knowledge in Python and Django within a dynamic and innovative environment.

EDUCATION

Bachelor

2021 - Present

Bachelor in Computer Engineering (BCT)

Kathford College of Engineering and Management, Balkumari, Lalitpur

NEB

2019-2020

Science Faculty

Dharan Higher Secondary School, Dharan

CGPA (3.43)

SEE

2018

Himalayan English Boarding School, Barakhshetra

GPA (3.65)

PROJECTS

Enhanced LMS

The Enhanced Learning Management System (ELMS) is a role-based web application built using **Django** and **Django REST Framework** that manages courses, assignments, enrollments, notifications, sponsorships, and payments with secure **JWT authentication** and email integration.

<https://github.com/BabitaShrestha340380/Elms>

Key features

- Role-based authentication (Admin, Instructor, Student, Sponsor)
- Course, assignment, and enrollment management
- Integrated payment system for course sponsorships
- Automatic notifications for assignments and progress updates
- Email alerts for deadlines, progress reports, and payments
- Search, filtering, and pagination support

WEATHER_FORECAST

A Weather Forecast API built using **Django** and **Django REST Framework** that fetches real-time weather data by city name using the **OpenWeatherMap API** and returns results in JSON format.

https://github.com/BabitaShrestha340380/weather_forecast

Key features

- Real-time weather data retrieval
- RESTful API architecture
- City-based search
- Error handling and validation
- External API integration

HYBRID INTRUSION DETECTION SYSTEM

A lightweight network intrusion detection system built using **Python, Scapy, Flask, SQLite** and **Machine Learning** that captures real-time network traffic and detects signature-based as well as anomaly-based intrusions.

<https://github.com/Reet-Ace/HYBRID-IDS>

Key Features

- Hybrid detection engine combining signature-based rules with machine learning
- Real-time network packet capture and inspection using Scapy
- Detection of common attacks such as SQL Injection and XSS
- Live traffic monitoring with detailed packet analysis (protocol, IPs, ports, payload)
- Instant alerts and logging for detected security threats

SAJILO YATAYAT - A BUS TICKET BOOKING SYSTEM

A bus ticket booking system mobile application built using **Dart, Firebase** and **ExpressJS** with **Khalti payment gateway** integration featuring seamless ticket booking experience for the end users.

<https://github.com/samirkhanalofficial/Sajilo-Yatayat-Flutter-Bus-Ticket-Booking-With-Fare-Management>

Key Features

- Online bus ticket booking system with route and schedule selection
- Seat availability and booking management in real time
- User-friendly booking workflow for passengers
- Admin-side management of buses, routes, and schedules
- Secure data handling for bookings and user information

TRAINING/CERTIFICATIONS

Python with Django

2025

Mind Risers Consortium

Developed backend web applications using Python and Django, handling HTTP requests/responses, integrating HTML pages, and building RESTful APIs with Django REST Framework for efficient data management.

<https://www.mindrivers.com.np/certificate/validate/MR-82021-PD>

AWS Academy graduate-AWS Academy Cloud Foundations

2024

Issued by: Amazon Web Services (AWS) Training and Certification

Completed the AWS Academy Cloud Foundations course, gaining knowledge of AWS core services, cloud architecture, pricing, and support, with practical skills in deploying and managing cloud resources.

<https://www.credly.com/go/dOTYhZsr>

CCNA

2024

Broadway Infosys

Trained in networking fundamentals including IP addressing, subnetting, routing, switching, VLANs, and basic network troubleshooting.

<https://broadwayinfosys.com/certificate-verification-code/B2094314>

SKILLS

- Python with django
- HTML
- CSS
- NETWORK CONFIGURATION
- DART
- C PROGRAMMING
- OOP

LANGUAGE

English, Nepali, Hindi
