

Bishal Roka

Jr Web Developer

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Junior Web developer who has hands on experience on Django, Flask, React and REST APIs and is currently employed in CubixTech Nepal. Experienced in developing safe, information-driven web applications using clean architecture and easy to use interface. Loves constant learning, collaboration and providing valuable digital solutions.

EXPERIENCE

Jr Web Developer Siphal
CubixTech Nepal May, 2025 - Present

EDUCATION

High School Lainchaur, Kathmandu
National School of Sciences Jun, 2018 - Jul, 2020

Bachelors in Computer Engineering Lalitpur
Universal Engineering and Science College Sep, 2021 - Sep, 2025

PROJECTS

Pathology Lab Management System

A comprehensive laboratory management system designed to streamline patient registration, test management, report generation, and staff workflows. The system features role-based access, secure data handling, and efficient reporting to support real-world healthcare operations.

Poultry Mortality Detection System

A data-driven web application designed to detect and analyze poultry mortality patterns. The system uses a Flask-based backend with a React frontend to present insights and trends, supporting early detection and better decision-making in poultry management.

Money Tracker & Expense Prediction System

An expense management application that allows users to track income and expenses while categorizing transactions automatically. The system integrates a BiRNN-based machine learning model to predict expense categories, improving accuracy and user efficiency. The application includes authentication, dashboard analytics, and interactive data visualizations.

Pokhara University Grading System Calculator

A web-based grading calculator built to compute results based on Pokhara University's grading system. The application automates grade calculation, improves accuracy, and provides a simple interface for students and academic users.

TRAINING/CERTIFICATIONS

Python with Django 2024
Mindrisers Institute of Technology

Completed hands-on training in Python and Django covering backend web development concepts. Built dynamic web applications using Django framework, worked with models, views, templates, and Django ORM. Implemented CRUD operations, user authentication, and database integration using SQLite/PostgreSQL.

IP Switching and Routing 2024
Universal Engineering and Science College

Covered fundamentals of IP switching and routing such as subnetting, VLANs, static and dynamic routing. Practiced network design, device configuration, and troubleshooting using Cisco Packet Tracer.

SKILLS

Python, Object-Oriented Programming (OOP), Django, Django ORM, Django Templates, REST APIs, RESTful APIs, HTTP Protocol, Client-Server Architecture, Git, GitHub, Version Control, HTML, CSS and JS, Growth Mindset and Quick Learner

LANGUAGE

Nepali, English, Hindi

REFERENCES

Roshan Shah - *Supervisor*

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Hemant Joshi - *HOD*

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