

BIKASH GOSAIN

DevOps | Linux, CI/CD, Docker & Cloud Deployment

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

SUMMARY

Final-year CSIT student with hands-on experience across the deployment pipeline: working in Linux/command-line environments, containerizing applications with Docker, building CI/CD pipelines with GitHub Actions, and deploying production systems on Microsoft Azure and Render. Comfortable managing PostgreSQL databases in the cloud and troubleshooting build, migration, and deployment issues end to end. Familiar with containerization concepts and currently building on that foundation toward Kubernetes. Strong problem-solving mindset, available for remote work during afternoon-to-midnight hours (Nepal time).

SKILLS

Linux & CLI: Linux operating system, command-line operations, shell workflows

CI/CD: GitHub Actions, automated build/test/deploy pipelines, Git & GitHub version control

Containers & Cloud: Docker, containerization concepts, Microsoft Azure, Render

Databases: PostgreSQL, MySQL, Schema Design & Migrations

Backend: Python, Django, Django REST Framework, REST APIs, JWT Authentication

Tools: Git, GitHub, Postman, Cloudinary

Front-End (supporting): HTML, CSS, JavaScript, Responsive Web Development

PROJECTS — DEPLOYMENT & INFRASTRUCTURE HIGHLIGHTS

BloggerNepal — Full-Stack Blogging Platform — *Demo · GitHub*

2025 – 2026

Django, Django REST Framework, Docker, GitHub Actions, Azure

- Containerized the application with Docker and deployed it to Microsoft Azure with a PostgreSQL database.
- Set up GitHub Actions workflows for automated build, test, and deployment, reducing manual release steps.
- Diagnosed and resolved schema/migration and configuration issues that arose during active deployment, keeping releases reliable.

RentMS — Rental Management System — *Demo · GitHub*

2026

Python, Django, Django REST Framework, PostgreSQL, Docker, Azure, Render

- Deployed a full-stack backend application with PostgreSQL across two cloud platforms (Azure and Render), gaining hands-on experience with production environment configuration.
- Built and exposed backend REST APIs consumed by the deployed application in production.

Panchakanya Collections — Full-Stack E-commerce — *Demo · GitHub*

2026

Python, Django, PostgreSQL, Cloudinary, Render, HTML/CSS/JS

- Deployed and maintained a live e-commerce application on Render, integrating Cloudinary for external media storage.
- Managed database-driven features and configuration for a production PostgreSQL instance.

Django JWT API — Token Authentication System — *Demo · GitHub*

2025

Python, Django REST Framework, PostgreSQL, JWT

- Built a REST API with JWT-based authentication and role-based access control, later used as a backend service in other deployed projects.

EXPERIENCE

QA Tester & Content Contributor | Remote

2023 – 2024

- Tested web applications remotely, identifying bugs and environment/configuration issues, and provided structured feedback to support debugging.
- Worked independently in a fully remote team setting, communicating findings clearly and reliably.

EDUCATION

B.Sc. Computer Science and Information Technology (CSIT)

2022 – Present

Kathmandu College of Technology, affiliated with Tribhuvan University