

Saurav Rijal

Madhyapur Thimi, Kathmandu, Nepal | 9814963555

<https://github.com/sauravrijal10> || <https://www.linkedin.com/in/saurav-rijal-02b57a1a7/> || sauravrijal1011@gmail.com

SKILLS

Programming Languages: Python, Java, SQL.

Frameworks: Django, Flask, Spring Boot.

Software Concepts: Agile/Scrum, Git/GitHub, S3, EC2, SNS, SQS, Docker.

Soft Skills: Team Collaboration, Adaptability, Problem solving, Enthusiasm, Time management.

EDUCATION

BSc.CSIT – Tribhuvan University

March, 2022 - Present

Bhaktapur Multiple Campus, Bhaktapur, Nepal

GPA: 3.4/4.0 (A)

- Relevant Coursework: **Database Concepts, Client-Side Web Development, Web Application Development.**

EXPERIENCE

Software Engineer

Navya Advisors Limited

Jan. 2026 - Present

Lazimpat, Kathmandu

- Designed and implemented **Microservices**-based architecture for scalable backend services.
- Implemented high-performance service communication using **gRPC** between internal services.
- Integrated multiple Nepalese payment gateways including **Khalti, eSewa, and ConnectIPS** for secure online transactions.
- Developed secure payment workflows including payment verification, callback handling, and transaction status management.

Backend Engineer

Speedhome

July. 2024 - April. 2025

Kuala Lumpur, Malaysia

- **Resolved critical bugs** and implemented performance improvement through deep log analysis and issue tracking.
- **Created detailed investigation reports** for production issues, ensuring quick resolution and better system reliability.
- Regularly analyzed application **logs (New Relic)** to detect anomalies, optimize processes, and reduce downtime.
- Worked with **AWS services** such as **S3** (file storage), **SNS** (notifications), and **SQS** (asynchronous messaging) to improve system integration and reliability.
- **Led a feature module** end-to-end from planning to deployment, collaborating across teams and delivering ahead of schedule.
- Contributed to backend development using **Java 8 (Spring Boot)**
- Gained hands-on experience with **AWS services** like S3, EC2, or Lambda.
- Contributed to backend development using **Spring Boot**.
- Wrote **unit/integration tests**.
- Participated in code reviews, feature planning, and sprint meetings.

Backend Engineer

Digi Dolphins

Jan. 2024 - July. 2024

Kaushaltar, Bhaktapur

- Designed and developed scalable web applications using **Python** and **Django**.
- Built and optimized **RESTful APIs** with clean, reusable, and testable code, integrating seamlessly with **PostgreSQL**.
- Implemented **CI/CD pipelines** using **GitHub Actions** and **Jenkins** to automate testing and deployment workflows.
- Diagnosed and resolved application issues using **logging, debugging, and robust exception handling** practices.
- Collaborated cross-functionally to deliver features on time and authored clear **technical documentation** for APIs and

services.

Backend Intern
Digi Dolphins

Oct. 2023 -Jan. 2024
Kaushaltar, Bhaktapur

- Assisted in developing features for **Django** applications under the guidance of senior developers.
- Participated actively in **Agile processes** such as sprint planning and daily standups.
- Practiced **version control** with Git: branching, merging, and creating pull requests with code reviews.
- Modified and enhanced existing **ViewSet, Models, Serializers** to meet business requirements.
- Continued learning by exploring **Django, middleware**, and modern **libraries** to improve coding skills.

PROJECTS

Pathsala Education Network (Django)

- Integrated **Django** as the backend framework to handle robust data management, secure user authentication, and consultancy inquiry processing.
- Implemented **role-based access control** to ensure secure access for public users and admin-level consultants.
- Utilized **PostgreSQL** with Django ORM for efficient, scalable data storage.

Civic Issue Report System (Django)

- Designed and implemented RESTful APIs using Django REST Framework to handle issue reporting, tracking, and resolution workflows.
- Enabled image/file uploads for issue submissions with proper validation and media handling using Django's file storage system.
- Modeled normalized database schema with Django models to store user profiles, issue details, and resolution logs.
- Developed and integrated a **Convolutional Neural Network (CNN)** model to classify civic issues (e.g., potholes, street light outages, waste dumps) from user-uploaded images.