

# KUSUM SHRESTHA

Backend Developer

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Chabahil, Kathmandu

<https://github.com/kusumstha2>

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## SUMMARY

As an aspiring Python Developer with a focus on Django, I am eager to apply my skills and knowledge to contribute effectively to web development projects. Proficient in Python programming, I have a foundational understanding of

## PROJECTS

### Django: Multi-Module Store & E-commerce System

<https://github.com/kusumstha2/Ecommerce-Platform>

[https://github.com/kusumstha2/Ecommerce\\_temp](https://github.com/kusumstha2/Ecommerce_temp)

*Django, DRF, PostgreSQL, Redis, Stripe, PayPal, Firebase, Celery, JWT*

- Built a platform with store builder and e-commerce modules
- Enabled user store registration, template purchase, and content management
- Integrated Stripe & PayPal for secure payments
- Developed cart, order, review, inventory, and product modules
- Used Redis for caching/search; Celery for async tasks; Firebase for real-time alerts
- Implemented JWT auth, role-based access, and advanced filtering

### Django: Save2Serve – Waste Food Donation Platform

<https://github.com/kusumstha2/Waste-Food-Donation->

*Django, DRF, JavaScript, PostgreSQL, KNN, Dijkstra, GIT*

- Connected donors to recipients with real-time location tracking
- Used KNN for food need prediction and Dijkstra for optimal delivery routes
- Included role-based auth, interactive maps, and email alerts
- Designed to reduce food waste and streamline donations

### Django: File Digitalization & Workflow System

<https://github.com/kusumstha2/File-Digitalization>

*Django, DRF, Djoser, Redis, Celery, OCR*

- Developed secure OCR-based document management system
- Used Celery for async tasks like OCR, reporting, and backups
- Implemented smart search, file tagging, encrypted storage, and access controls
- Supported analytics, Real time notifications, and multi-role workflows

## EDUCATION

- |  |                                    |
|--|------------------------------------|
| ➤ <b>Kathmandu College of Technology (KCT)</b><br>Bachelor in Computer Science and Information Technology (B.Sc. CSIT) | <b>2020-ongoing</b><br>(Bhaktapur) |
| ➤ <b>New Summit College</b><br>+2 in Science<br>(GPA : 3.19)   | <b>2018-2020</b><br>(Maitidevi )   |
| ➤ <b>Bon Sky Lark School</b><br>Secondary Education Examination (SEE)<br>(GPA : A)                                     | <b>2017</b><br>(Chabahil)          |

**RELEVANT EXPERIENCE**

**Django Developer Intern**

Mindriser Technologies

[Feb 2025-May 2025]

- Developed Django web apps with REST APIs, PostgreSQL, and integrated third-party services
- Implemented user authentication, CRUD operations, and Celery tasks for asynchronous processing
- Integrated Stripe webhooks and Paypal for handling payment-related events and notifications
- Used Redis for caching, optimized search functionality, and background task management
- Developed secure and scalable features using JWT for authentication as well as Djoser authentication
- Enhanced application performance and reliability through threading for background processes
- Designed and implemented database models for efficient data storage and retrieval
- Collaborated with a team using Git for version control and participated in Agile sprints

**Django with Python Training**

Mindrisers Institute of Technology

[Dec 2023 – Feb 2024]

- Completed 3-month training in Django development and Python programming
- Gained hands-on experience with Django REST Framework, PostgreSQL, and CRUD operations
- Intern/Job Placement Pre-Training Session

Mindrisers & Merojob

[ Mar 2024]

- Participated in pre-placement training focusing on technical interview prep and resume building
- Gained insights into Agile methodologies and industry best practices for web development

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**SKILLS**

**Technical Skills:**

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|------------------------|-----------------|-------------|------------|------------|
| i . Python with Django | ii. Html        | iii. CSS    | iv. C/C++  | v. MS Word |
| vi . Firebase          | vii. PostgreSQL | viii. Redis | ix. Celery | x. Git     |

**Soft Skills:**



- |                                |                   |                         |
|--------------------------------|-------------------|-------------------------|
| i . Teamwork and collaboration | ii. Communication | iii. Multitasking       |
| iv. .Adaptability              | v. Good listener  | vi. Attention to detail |

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**REFERENCE**

**Diwakar Upadhayay (Lecturer)**

Kathmandu College of Technology (KCT)

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