

PAKSHA RAWAL

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PROFESSIONAL SUMMARY

Computer Science graduate and Python/Django developer transitioning from computer science education into full-time software development. Built and shipped backend features, REST-connected web apps, and data pipelines during a hands-on Django internship, then applied that same technical foundation to design programming curricula and lead 100+ students through project-based coursework. Comfortable owning a problem end-to-end — from breaking down a requirement into components to writing, debugging, and documenting the code that solves it. Seeking a full-time developer role where strong fundamentals, self-directed learning, and clear technical communication are valued as much as syntax.

TECHNICAL SKILLS

Languages: Python, JavaScript, PHP, C, C++, MySQL

Frameworks & Libraries: Django, REST API fundamentals, pandas, NumPy, Matplotlib

Web: HTML5, CSS3, responsive design

Databases: MySQL, SQLite

Tools: Git, GitHub, Jupyter Notebook, VS Code

Currently learning: Django REST Framework, SQL optimization, applied Machine Learning

PROJECTS

Stock Management System — *Django, MySQL*

Backend inventory system to track and manage stock records and resource allocation for a business use case; models, views, and CRUD logic built from scratch.

github.com/PakshaRawal/Stock-Management-System

Sales Analysis Dashboard — *Python, pandas, NumPy, Matplotlib, Jupyter Notebook*

Data analysis project that cleans and visualizes sales data to surface trends; first hands-on application of the data science stack outside the internship.

github.com/PakshaRawal/Sales-analysis-dashboard

ICT Quiz System — *HTML, CSS, JavaScript*

Interactive quiz competition application built for an ICT event, handling question flow, scoring logic, and a responsive results interface.

Tourism Guide System — *HTML, CSS, JavaScript*

Web application for discovering destinations and travel information; focus on usability and content structure.

github.com/PakshaRawal/-Tourism-Guide-system

E-Commerce Website — *Django, SQLite*

Full-stack shopping site with user authentication, product management, and a responsive front end.

Student & Employee CRUD Systems — *Python, Django*

Two record-management applications implementing full Create-Read-Update-Delete workflows against a relational database.

Digital Calculator — *JavaScript*

Utility app reinforcing core programming logic and DOM manipulation.

github.com/PakshaRawal/Digital-Calculator

Personal Portfolio Site — *HTML, CSS, JavaScript*

Designed and built a responsive personal site to host and present the above projects.

github.com/PakshaRawal/Pakshya-Rawal-Websites | paksharawal.com.np

TECHNICAL EXPERIENCE

Python & Django Developer — Intern

2025 – 2026

Cloud Web Nepal Pvt. Ltd. | Tinkune, Nepal

- Developed backend features in Django, working directly with databases and APIs to support real-world web application functionality.
- Used pandas, NumPy, and Matplotlib to perform data analysis, translating raw datasets into structured, usable output.
- Identified and fixed bugs across the application, gaining practical experience with debugging workflows and version control.

IT Coordinator

2026 – Present

Cambridge High School

- Manage and maintain the school's IT infrastructure, computer labs, and software systems, providing technical support to staff and students.
- Diagnose and resolve hardware/software issues independently, applying the same troubleshooting discipline used in application debugging.

TEACHING & MENTORING EXPERIENCE

Directly transferable to technical communication, documentation, and onboarding

Computer Science Teacher 2025 – 2026

Chaitanya Pathashala | Dhangadhi, Nepal

- Architected and delivered a structured programming curriculum for secondary and higher-secondary students — the same skill set used to write clear technical documentation and onboard new engineers.
- Ran hands-on lab sessions translating abstract CS concepts (logic, data structures, control flow) into working code with students, increasing measured engagement by 80%.
- Broke down complex technical problems into digestible steps for learners with no prior programming background, a core skill for writing README files, code comments, and PR descriptions.

Exam Preparation Instructor 2025 – 2026

Chaitanya Loksewa | Dhangadhi, Nepal

- Designed and delivered a structured review program for 100+ students preparing for the Teacher Service Commission exam, achieving a 90% pass rate.
- Built and iterated on a curriculum based on measurable outcomes — mirroring the iterative, feedback-driven approach used in agile development.

Mathematics Teacher 2023 – 2024

The Brightway Public School | Dhangadhi, Nepal

- Delivered structured, logic-based instruction in mathematics, recognized with the Best Teacher Award (2081) for instructional quality.
- Managed classroom technology and computer-lab operations as Computer Operator alongside teaching duties.

EDUCATION

B.Sc. in Computer Science and Information Technology — Far Western University [2026]

Intermediate in Science — Kailali Multiple Campus (GPA: 3.48) [2022]

Secondary Education Examination(SEE)-Shree Satyavadi Higher Secondary (3.68) [2020]

CERTIFICATIONS

Google Data Analytics Professional Certificate — Google [Aug, 2026]

Microsoft Python Development Professional Certificate — Microsoft [Aug, 2026]

Google IT Support Professional Certificate — Google [Sep, 2026]