

# Saurav Dhakal

*Computer Science Student — Junior Web Developer — Full-Stack Developer*  
dhakalsaurav11@unm.edu — (309) 948-0097 — Albuquerque, NM 87111  
[the-dhakal.com](http://the-dhakal.com)

## Objective

Motivated Computer Science student with experience in full-stack development, Linux scripting, and SQL-based data systems. Eager to apply analytical and programming skills to contribute to enterprise software systems and data-driven solutions.

## Education

**B.S. in Computer Science** Expected May 2025  
University of New Mexico, Albuquerque, NM  
GPA: 3.0

## Experience

**Web Developer (Advanced Level)** — *UNM Mentoring Institute* Feb 2024 – Present

- Built and launched Soft Skills, a free open-source learning platform offering a full skills training course with quizzes, progress tracking, and PDF certificate generation using CodeIgniter (PHP), MySQL, and JavaScript.
- Program pages and features using PHP, HTML/CSS, JavaScript, and Bootstrap in an MVC structure.
- Create and format content into web-friendly layouts; apply conditional logic for dynamic rendering.
- Design and manage databases for storing user, registration, quiz, and certificate data.
- Maintain consistent design and functionality across the site; troubleshoot bugs and implement fixes.
- Analyze usage and create CSV reports using custom data queries and filters.
- Support staff with new features, content updates, and admin dashboard improvements.

**Technical Assistant** — *Dr. David K. Dunaway* May 2023 – Present

- Managed multi-platform digital infrastructure and WordPress sites to support research and outreach projects.
- Provided technical support including system troubleshooting, hardware/software installation, and backend updates.
- Optimized content strategy to grow social media audience by 280% within 2 months.

**Web Developer** — *UNM GPS* Sep 2023 – Dec 2023

- Updated and maintained web pages using Cascade CMS, HTML, CSS, and JavaScript.
- Assisted with layout improvements and integrated maps/data visualizations for research-based projects.

**Canvas IT Support** — *UNM IT* May 2023 – Sep 2023

- Provided technical support for LMS Canvas, resolving configuration issues and platform bugs.
- Used ticketing system and remote assistance tools to document and resolve user requests.

**Data Entry Associate — UNM GPS**

*Feb 2023 – May 2023*

- Processed traffic incident records using Kofax ETL platform; conducted data cleansing and standardization.
- Documented extract-transform-load workflows and generated logs for QA review.

## Technical Skills

- **Languages:** Python, PHP, Java, JavaScript, SQL, HTML5, CSS
- **Frameworks/Libraries:** Flask, CodeIgniter, Bootstrap, jQuery, AJAX
- **Databases:** MySQL, PostgreSQL, SQL Server
- **Tools/Other:** Git, REST APIs, Linux (Ubuntu), version control, ETL scripting, MVC architecture
- **CMS/Platforms:** WordPress, Cascade CMS, Shopify (Liquid)
- **Design/UX:** Responsive layout design, dynamic form validation, user dashboards

## Projects

### Conference Management System (CodeIgniter)

*Feb 2024 – Present*

Built a full-featured administrative system for managing an academic conference end-to-end.

- Developed role-based dashboards for admins to manage abstracts, authors, registrations, and payments.
- Implemented dynamic search, filters, and CSV import/export for efficient data handling.
- Created custom views for paper review assignments and participant communication workflows.
- Secured CRUD logic and user actions using CodeIgniter MVC and MySQL integration.
- Streamlined operations that previously required manual tracking across spreadsheets and forms.

### Conference Management System (CodeIgniter)

*Feb 2024 – Present*

Built a comprehensive portal to support UNM's annual five-day Mentoring Conference (2024 attendance: 431+; cross-sector attendees) covering abstract submission, review workflows, registration, and reporting.

- Developed user-focused dashboards for attendees, peer reviewers, presenters, and organizers.
- Implemented secure abstract submission, multi-step peer-review, and acceptance tracking pipelines.
- Created CSV import/export and dynamic filters for submissions, registrations, and payment statuses.
- Integrated payment tracking and registration limits for multiple attendee types (faculty, staff, students, external professionals).
- Automated program publishing workflows aligned to key dates (abstract deadlines, registration periods, program release).
- Replaced manual spreadsheet-based tracking with an end-to-end MVC system built on PHP/MySQL.

### Stock Monitoring App (Python + Flask)

*Apr 2024 – Present*

Full-stack Flask application for stock data visualization and alerts.

- Integrated financial APIs and generated dynamic charts using Plotly.
- Applied Flask routing and Jinja templates with Bootstrap styling.

### Fire Simulation System (Java)

*Apr 2024*

Simulated fire spread through graph-connected sensor nodes.

- Implemented recursive propagation logic and file-driven graph generation.
- Built visual dashboard using Java Swing.

## Certifications

Discover AI, AI4ALL —

Dec 2023

## Additional Information

- Languages: Nepali, English, Hindi (fluent)
- Member: UNM Nepalese Student Association, UNM Men's Club Soccer
- Leadership: Vice-Captain, Albuquerque Nepalese Club Soccer

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