Santosh Thapa Magar

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PHP Web Developer with 5+ years of experience building web applications using Moodle, Drupal, and WordPress. Skilled in developing custom plugins, themes, and modules, integrating REST APIs, and working with Git, MySQL. I enjoy solving problems, learning new technologies, and contributing to open-source projects.

Technical Skills

- Languages
  - PHP, JavaScript, HTML, CSS, SCSS
- CMS/LMS
  - Moodle, Drupal, WordPress
- Database
  - MySQL, MariaDB
- Tools
  - Git, GitLab, GitHub, Slack, Asana, Postman, VS Code
- Others
  - REST APIs, Mapbox, Leaflet, ApexCharts

Professional Experience

July 2021 - Present, YoungInnovations Pvt. Ltd.

Software Engineer II

- Developed and maintained web applications using PHP across multiple platforms, including Moodle, WordPress, and Drupal.
- Developed REST APIs and integrated third-party services for Moodle, WordPress, and Drupal.
- Built custom themes, plugins, and modules based on project requirements.
- Implemented Elasticsearch to index text, PDFs, and other documents, enhancing WordPress

search capabilities and performance.
- Integrated Mapbox for dynamic, location-based map visualizations, enhancing the user experience with interactive geospatial data displays.
- Created and managed engaging content such as Moodle quizzes, H5P interactive learning activities, and Elementor-based WordPress pages.
- Developed project roadmaps, defined milestones, and delegated tasks among team members.
- Improved website loading speed and performance through asset minification, lazy loading, image optimization, database cleanups.
- Performed SEO optimizations by setting proper meta tags, heading structures, alt attributes, and generating XML sitemaps.
- Improved site security by validating user input, managing permissions, preventing threats like spam and XSS/CSRF, enforcing security headers like CSP, HSTS and X-Frame-Options and integrating anti-spam protections like CAPTCHA.
- Collaborated closely with UI/UX designers, QA testers, and DevOps engineers to streamline development, testing, and deployment pipelines.
- Mentored junior developers, conducted code reviews, and maintained clear technical documentation to support long-term project success and team growth.

June 2024 - August 2024, EDZ Learn

Moodle Developer (Part-Time)

- Developed a custom Moodle plugin named 'stepformlayout' for the EDZ Learning Management System to customize user profile, course, and feedback forms. Also created the 'EDZ Social Wall' plugin, replicating a social platform-style discussion interface for enhanced learner engagement.

Aug 2020 - June 2021, Danson Solution

Moodle Admin and Developer

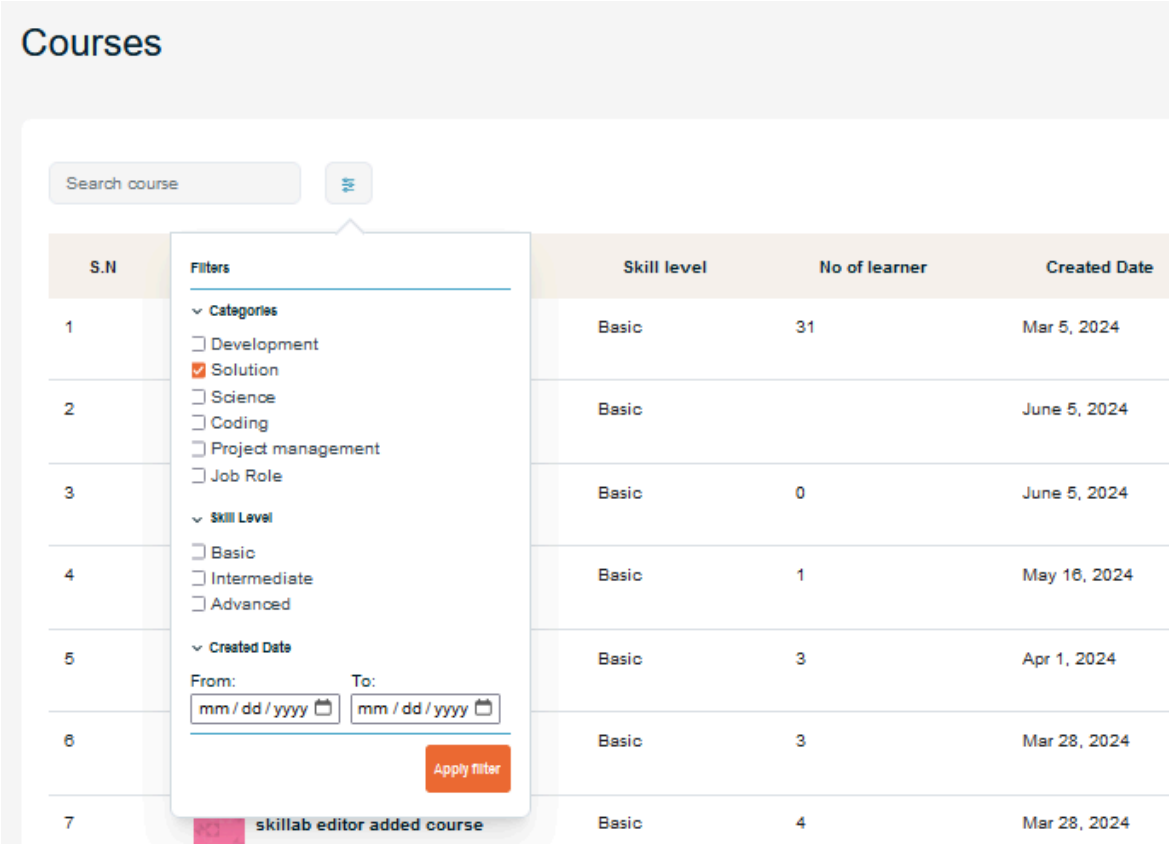
- Responsible for managing **https://np.chimpvine.com/** Moodle LMS platform
- Configure Moodle LMS plugin, theme, and LMS settings
- Develop and manage LMS content like Quiz and H5P

Key Projects

CSC LMS

Client: Skill Lab; **Role:** Developer
The Career Service Center LMS was developed by the Career Service Lab to deliver structured online learning. I was responsible for building the LMS platform from the ground up using Moodle, including developing a custom Moodle theme. A key component of this project was integrating the LMS with the organization's main Laravel-based Career Service Center site through REST APIs for seamless authentication, user management, and data sharing.
Key Responsibilities:

- Developed custom Moodle REST APIs to allow the external CSC Laravel site to interact with the LMS for operations such as user creation, login, and data sync.
- Enforced access restrictions so that users can only access Moodle through the CSC platform (no direct login).
- Implemented quiz attempt limits, allowing each user to attempt a quiz a maximum of three times per day to encourage learning and review.
- Added course logic to display certificates only after course completion, restricting content access to all resources.
- Created a course list report with dynamic filters, and passed this data to the CSC Laravel site via API.
- Tracked user course progress and time spent per course for learning analytics and reporting.

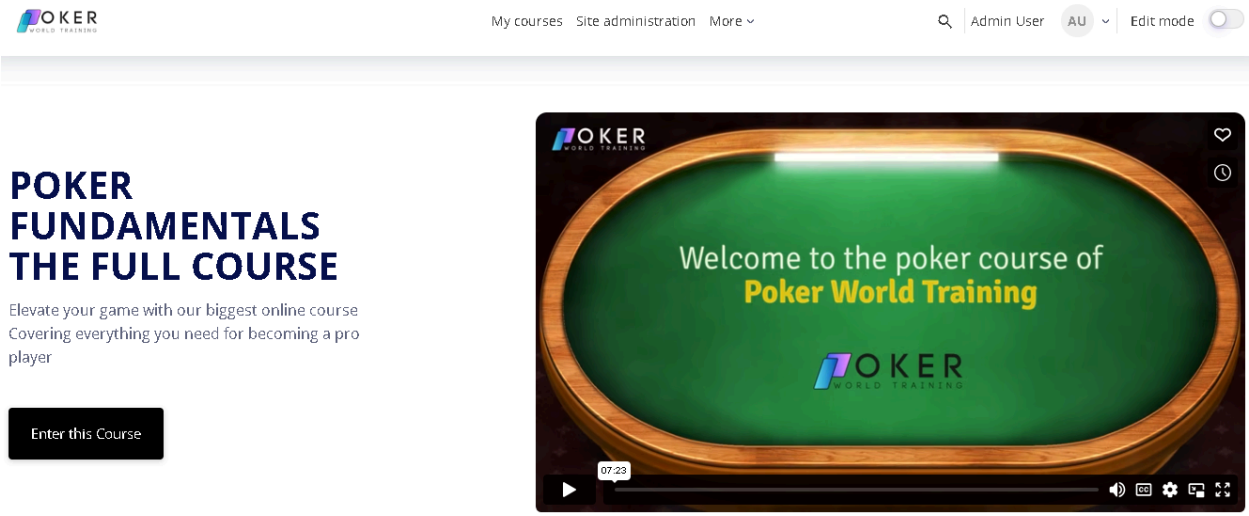


WTPOKER LMS

WTPoker LMS is a custom-built Moodle learning management system developed specifically for delivering poker training. Here, I integrated PayPal and Stripe for secure, seamless payment processing and implemented Course Meta Link enrollment for structured course access. The system was also connected with an external site, poker111, using REST APIs to enable real-time data synchronization and smooth communication between platforms.

Key Responsibilities:

- Developed a custom authentication plugin extending Moodle's manual authentication, including auto-login capabilities from external site.
- Created a child theme based on the Lambda Moodle theme to ensure responsiveness and maintain consistent branding.
- Configured and managed custom course fields and user profile fields to meet the unique requirements of poker training modules.
- Built REST APIs in Moodle for:
    - User creation, update, and deletion
    - Fetching course details and user information
    - Synchronizing data like credit and token with the external poker111 platform .

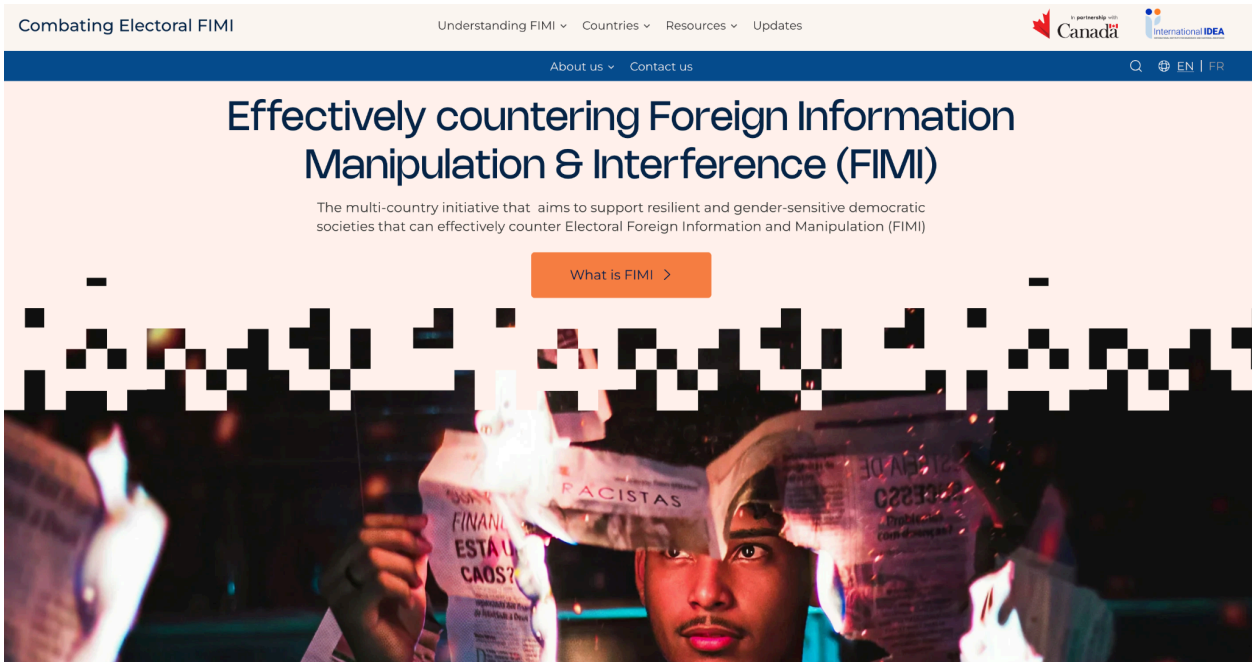


FIMI

Developed a custom Drupal CMS platform from the ground up. Additionally, I developed a custom Drupal module named Helperbox, which provides reusable view fields, field formatters, custom blocks, and other supporting functionalities.

Key Responsibilities:

- Developed a fully custom Drupal theme as project requirements mainly backed.
- Manage all the page templates mainly through view blocks and pages.
- Integrated and customized Mapbox for interactive map sections.
- Ensured clean, scalable, and maintainable code for long-term site management.

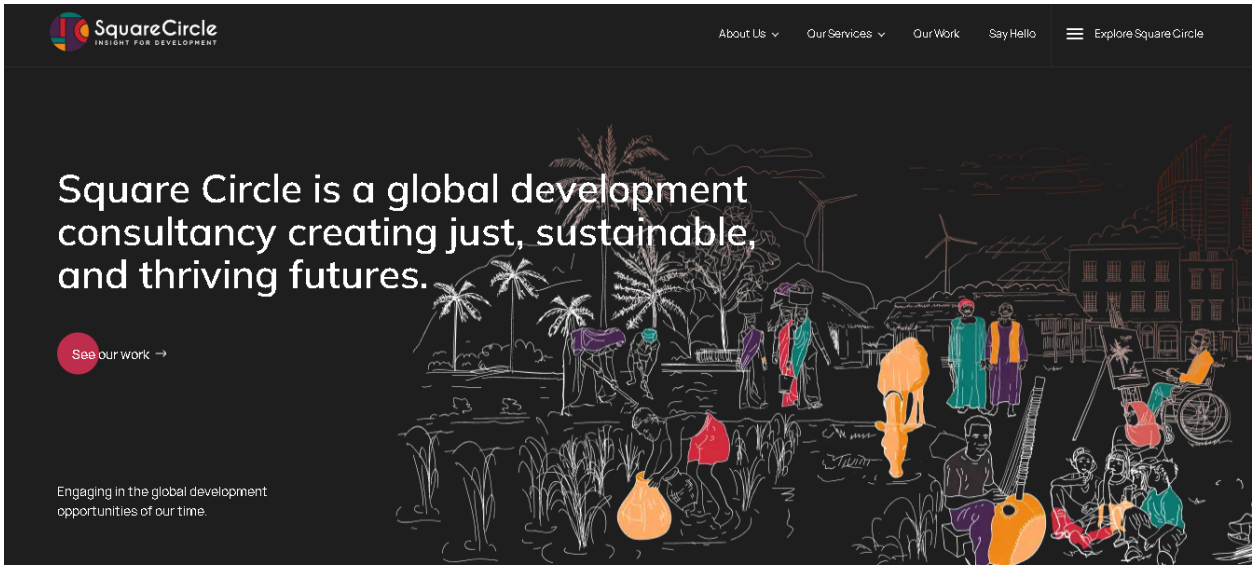


[Square Circle]

As part of this project, I was responsible for developing a Drupal CMS platform from the ground up. I created a custom Drupal theme with a structured backend to efficiently manage and display content. Additionally, I developed a custom Drupal module to manage various dynamic blocks such as mega menus, banner sections and various settings.

Key Responsibilities:

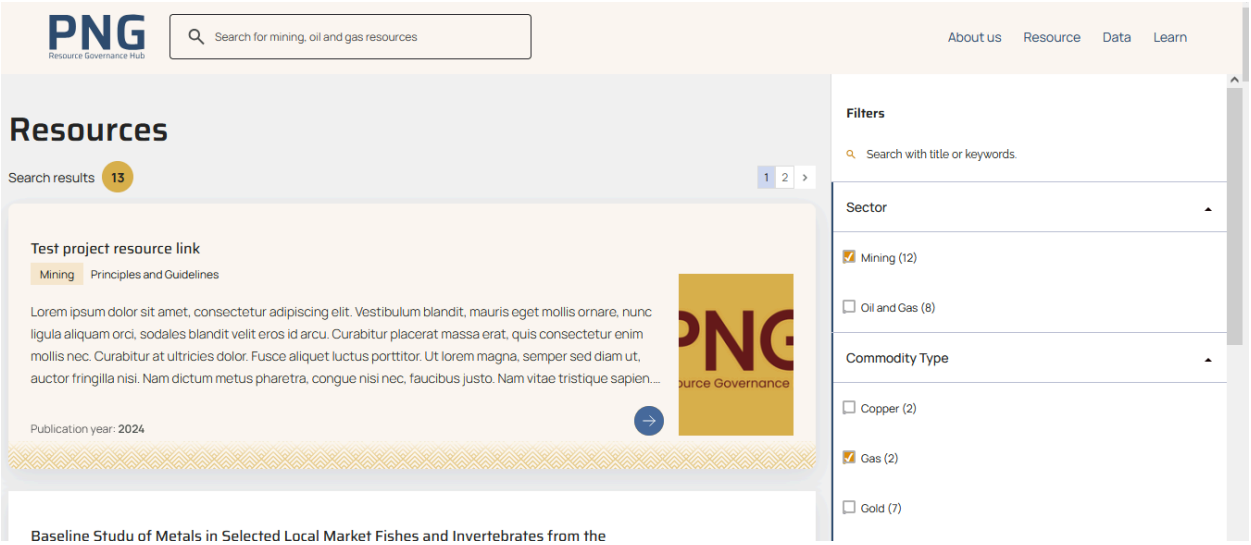
- Developed a fully custom Drupal theme as project requirements.
- Created custom Drupal modules to manage content blocks, including mega menus, banner sections, and other reusable components.
- Ensured clean, scalable, and maintainable code for long-term site management.
- Collaborated with the team using GitLab for version control and task management.



PNG Resource Hub

Client: squarecircle ; **Role:** Lead Developer
The Papua New Guinea Resource Governance Hub is a platform designed to publish and manage document-based resources. As part of this project, I developed a fully custom WordPress CMS platform from the ground up. I built a custom theme as required to display structured content efficiently, integrated Elasticsearch for advanced document search functionality, and customized Mapbox to visually display project locations using precise latitude and longitude coordinates.
Key Responsibilities:

- Developed and implemented a powerful document search filter using **Elasticsearch**.
- Customized Mapbox to visually display resource project locations using accurate geographic coordinates (latitude and longitude).
- Built a custom WordPress theme optimized for content presentation and performance.
- Ensured the platform was user-friendly, performant, and adaptable for future growth.

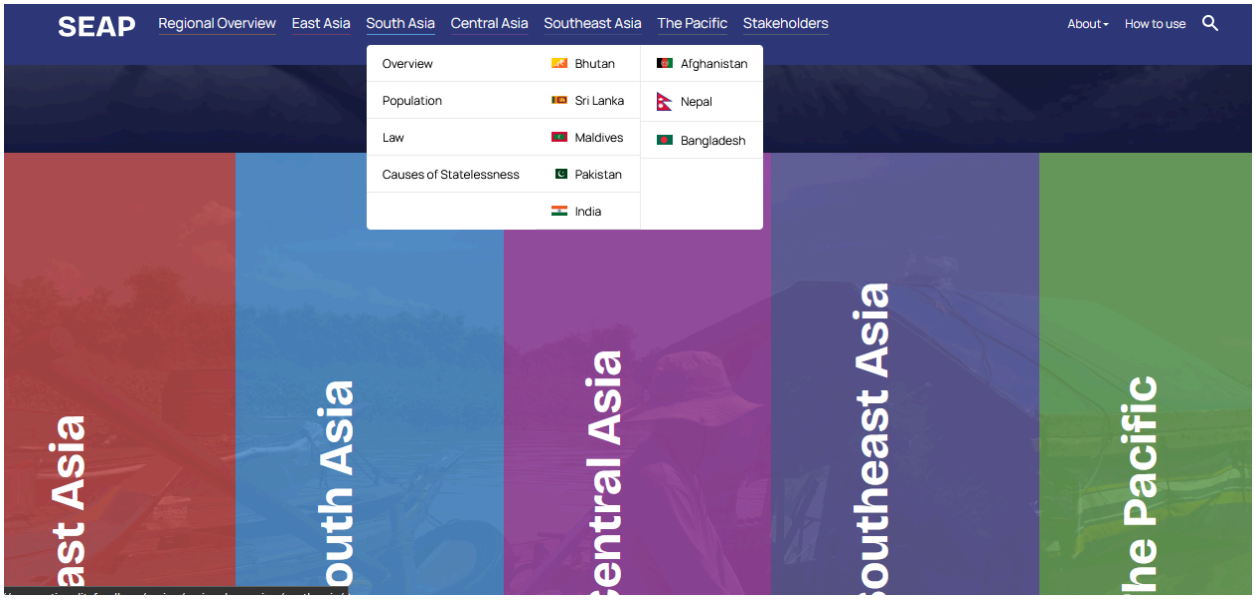


NFA SEAP

Client: nationalityforall ; **Role:** Developer
SEAP (Statelessness Encyclopedia Asia Pacific) is the outcome of over two years of research and consultations on statelessness in the Asia Pacific region, led by Nationality for All (NFA). As part of this project, I developed a custom WordPress CMS platform from scratch to effectively manage and present the data-rich content. Also, integrated dynamic data visualization tools such as ApexCharts and DataTables. Additionally, I utilized FlagCDN to accurately display country flags throughout the site.
Key Responsibilities:

- Developed a fully custom WordPress theme for structured content management and responsive design.
- Develop the citation footnotes plugins to add citation of the post.
- Integrated ApexCharts to visualize comparative data across countries.
- Implemented FlagCDN to dynamically display country flags.
- Built a feature allowing users to compare countries based on metadata such as laws, population, and causes of statelessness.

- Optimized the SEAP NFA site for performance and usability.



[EELMS LMS]

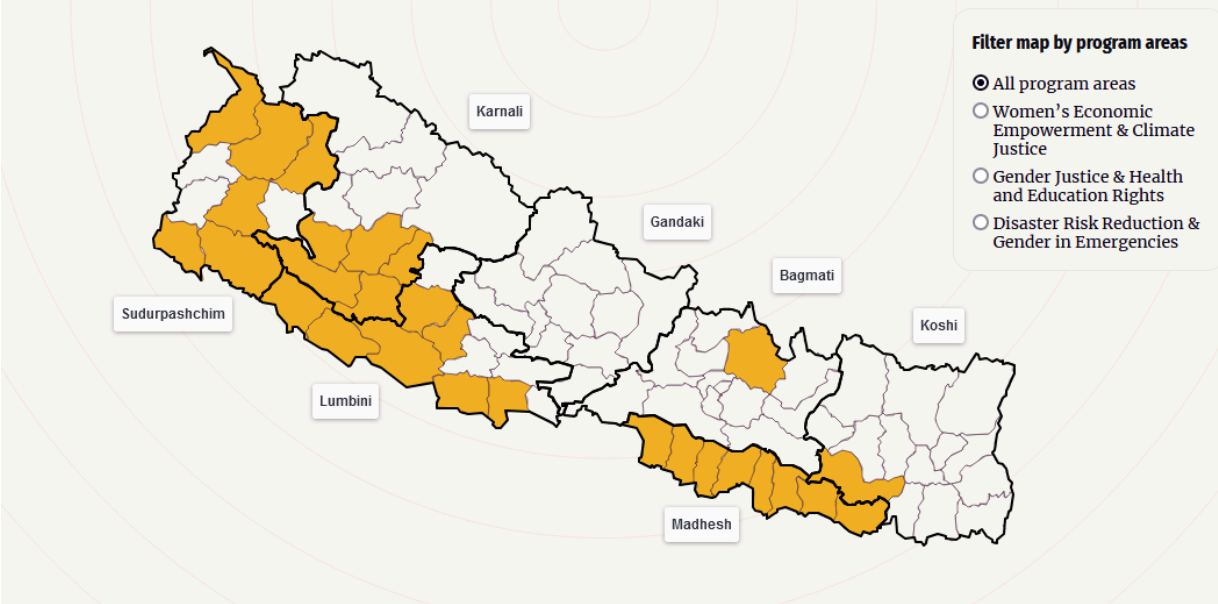
Client: IOE; **Role:** Developer
EELMS is the LMS for Energy Efficiency Learning Platform. Here I have developed the custom report for the Moodle LMS platform.

Reports and Analytics

Courses	Category	Enroll users	In Progress Users	Certified Users
Energy Efficiency in Boilers	Self Paced	74	70	41
Introductory course on Energy Efficiency, Energy Audit and Energy Management	Self Paced	74	70	0
Energy Efficiency in Electric Motors	Self Paced	118	108	57
Intensive Crash Course on Energy Efficiency for Energy Manager	Instructor Based	111	47	No Certificate
Energy Audit Training for Engineer	Instructor Based	42	2	No Certificate
Professional Training for Energy Manager	Instructor Based	28	1	No Certificate
Energy Efficiency in Water Pumping System	Self Paced	66	62	36
Introductory course on Energy Efficiency in Industrial Electrical Systems	Self Paced	2	1	0

[Care Nepal]

Client: Care Nepal; **Role:** Developer
Care Nepal is a content-focused platform built on WordPress CMS to highlight the organization's initiatives, projects, and activities. As part of this project, I integrated Leaflet Map to visually represent project locations across Nepal and optimized the performance to ensure faster loading times and an enhanced user experience.



W+ LMS

Client: WOCAN; **Role:** Developer
This online course was developed by WOCAN to provide an in-depth understanding of the application of the W+ Standard. In this project, I got an opportunity to develop the LMS platform. Here I developed a Moodle theme from scratch to display and manage the content. I also integrated the PayPal payment for the course enrollment.

Plugins for EDZ LMS

Client: EDZ; **Role:** Developer
Developed custom Moodle plugins for the EDZ Learn LMS platform, including Step Form Layout and EDZ Social, to enhance the user experience and extend the platform's functionality.

Fiverr Freelance

Completed freelance Moodle, and WordPress development projects for international clients through Fiverr. https://www.fiverr.com/santoshtmp

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Open Source Projects

Moodle - Easy Custom Menu

A Moodle plugin for creating and managing custom navigation menus with conditional display rules based on user roles and login status.

- **Github Repository:** https://github.com/santoshtmp/easycustmenu
- **Moodle plugin directory**: https://moodle.org/plugins/local_easycustmenu

Moodle - Custom Clean URL

A Moodle plugin that converts default Moodle URLs into clean, SEO-friendly URLs using URL rewriting.

- **GitHub Repository**: https://github.com/santoshtmp/moodle-local_customcleanurl
- **Moodle plugin directory**: https://moodle.org/plugins/local_customcleanurl

Moodle - User Course Report

A Moodle reporting plugin that provides centralized user and course reports for administrators.

- **Github Repository:** https://github.com/santoshtmp/moodle-report_usercoursereports
- **Moodle plugin directory**: https://moodle.org/plugins/report_usercoursereports

Moodle - StableZ

Moodle block, local, and theme plugins that demonstrate practical solutions for extending Moodle with custom features, administrative tools, and user interface enhancements across multiple projects.

- **Github Repository:** https://github.com/santoshtmp/moodle-stablez

Drupal - Custom Helperbox

A custom Drupal module that provides reusable developer tools and utilities to simplify site development and maintenance.

- **Github Repository:** https://github.com/santoshtmp/drupal-custom-helperbox
- **Highlights:**
    - Add template suggestions for forms, fields, paragraphs, and other components to make theming easier and more flexible.
    - Extend Views with custom fields, filters and render helpers.
    - Provide reusable custom blocks and layout utilities.
    - Control form field access using configurable rules.

WordPress - Post Title Required

A WordPress plugin that enforces post titles and allows administrators to configure character limits for selected post types.

- **Github Repository:** https://github.com/santoshtmp/post-title-required
- **Wordpress plugin repository**: https://wordpress.org/plugins/post-title-required/

WordPress - Citation Note

A WordPress plugin for managing citations/ references, and footnotes within posts, pages, and custom post types. Also supports front-end display through shortcodes.

- **Github Repository:** https://github.com/santoshtmp/wordpress-citation-note
- **Wordpress plugin repository**: https://wordpress.org/plugins/citation-note/

WordPress – Custom Search Filter

A flexible WordPress plugin for building customizable search forms and displaying filtered results based on user input. It supports dynamic queries, custom post types, and can be extended to meet a wide range of search requirements.

- **GitHub Repository**: https://github.com/santoshtmp/csf-search-filter

Wordpress - Custom Stablez Helpers

A developer utility plugin that enhances WordPress projects with reusable features such as login page customization, breadcrumb generation, security hardening, and REST API enhancements. Built with a modular architecture, it is designed to improve development efficiency and maintainability.

- **GitHub Repository**: https://github.com/santoshtmp/wordpress-stablezhelpers

Medium: https://medium.com/@santoshtmp7

Education

Bachelor of Engineering in Information Technology

Nepal College of Information Technology, 2016 - 2019

High School Degree

Canvas International Higher Secondary School, 2013 - 2015

Languages

- Proficiency in written and spoken English
- Proficiency in written and spoken Nepali

Nationality

- Nepali