

# Santosh Thapa Magar

Kathmandu, Nepal | 9803928344

[santoshtmp7@gmail.com](mailto:santoshtmp7@gmail.com) | [santoshmagar.com.np](http://santoshmagar.com.np)

[github.com/santoshtmp](https://github.com/santoshtmp) | [linkedin.com/in/santoshtmp7](https://linkedin.com/in/santoshtmp7)

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.

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## 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
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## 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
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## 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.

### Courses

Search course 

S.N	Filters	Skill level	No of learner	Created Date
1	<input type="checkbox"/> Development <input checked="" type="checkbox"/> Solution	Basic	31	Mar 5, 2024
2	<input type="checkbox"/> Science <input type="checkbox"/> Coding <input type="checkbox"/> Project management	Basic		June 5, 2024
3	<input type="checkbox"/> Job Role	Basic	0	June 5, 2024
4	<input type="checkbox"/> Skill Level <input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input type="checkbox"/> Advanced	Basic	1	May 16, 2024
5	<input type="checkbox"/> Created Date From: <input type="text"/> To: <input type="text"/>	Basic	3	Apr 1, 2024
6	<input type="text"/> <input type="text"/>	Basic	3	Mar 28, 2024
7	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Basic	4	Mar 28, 2024

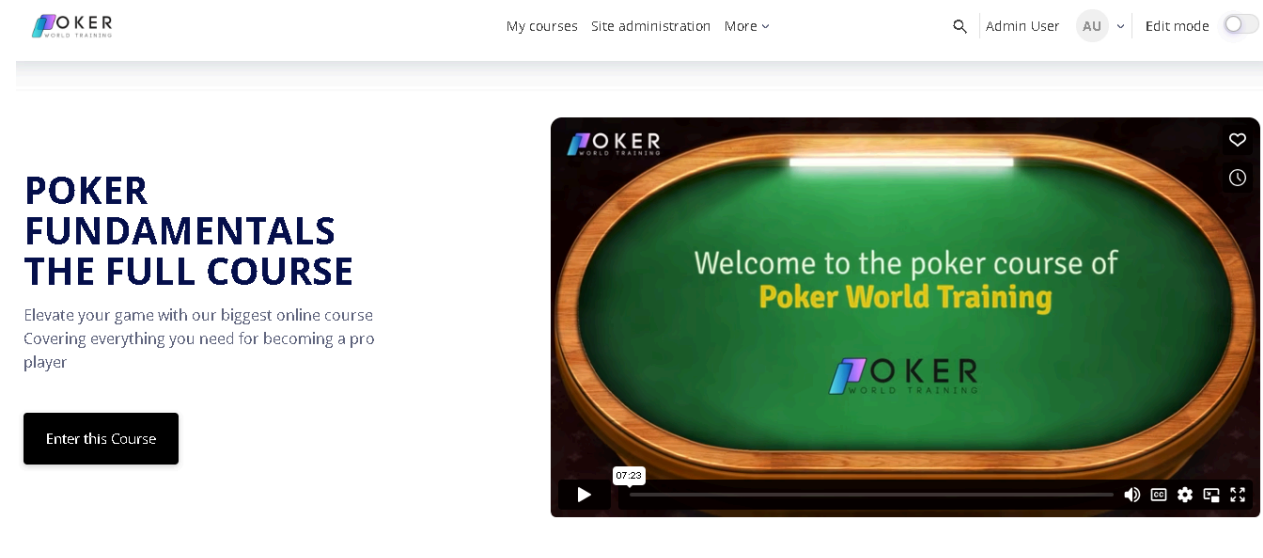
 skilllab editor added course

## 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 .



The screenshot shows the user interface of the WTPoker LMS. At the top, there is a navigation bar with the 'POKER WORLD TRAINING' logo on the left, and links for 'My courses', 'Site administration', and 'More' in the center. On the right, there is a search icon, the user name 'Admin User', a dropdown menu with 'AU', and an 'Edit mode' toggle switch. Below the navigation bar, the course title 'POKER FUNDAMENTALS THE FULL COURSE' is displayed in large, bold, blue letters. Underneath the title, a short description reads: 'Elevate your game with our biggest online course. Covering everything you need for becoming a pro player'. A black button with white text 'Enter this Course' is positioned below the description. To the right of the text is a video player showing a green poker table with the text 'Welcome to the poker course of Poker World Training' and the 'POKER WORLD TRAINING' logo. The video player has a progress bar at the bottom showing 07:23 and various control icons.

## 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.

# Effectively countering Foreign Information Manipulation & Interference (FIMI)

The multi-country initiative that aims to support resilient and gender-sensitive democratic societies that can effectively counter Electoral Foreign Information and Manipulation (FIMI)

What is FIMI >



## 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.

Square Circle is a global development consultancy creating just, sustainable, and thriving futures.

See our work →

Engaging in the global development opportunities of our time.



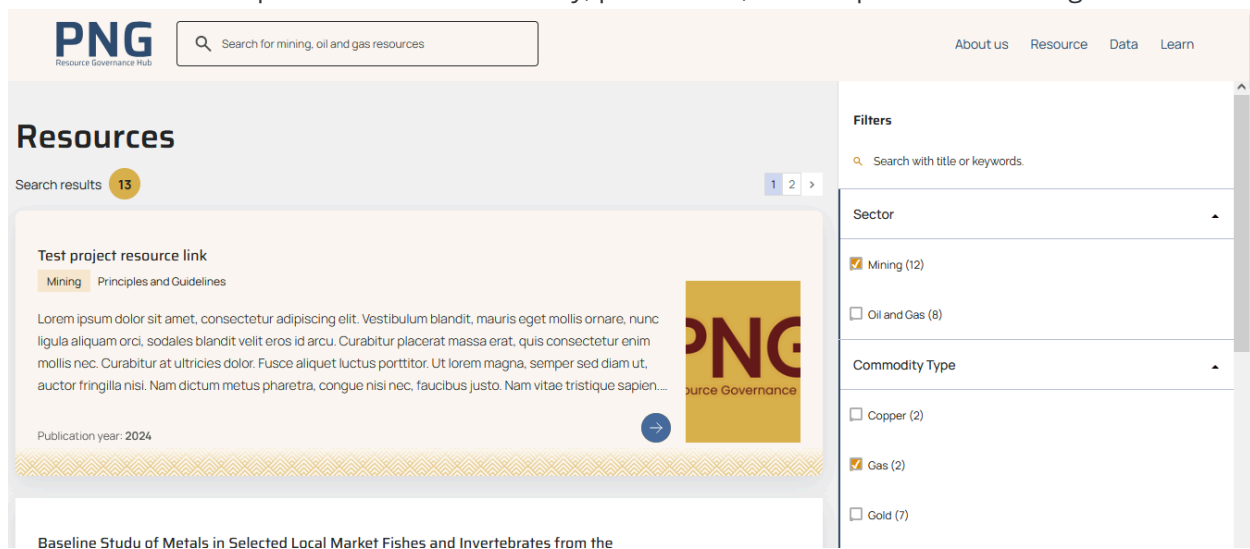
## [PNG Resource Hub](#)

**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](#)

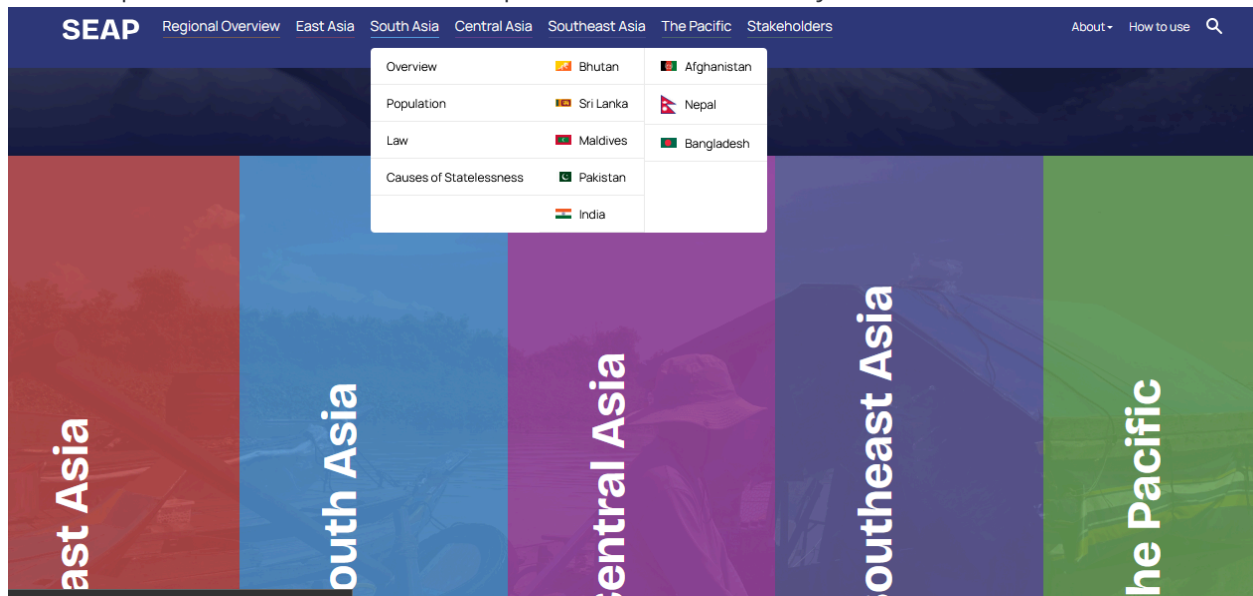
**Client:** [nationalityforall](#); **Role:** Developer

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.

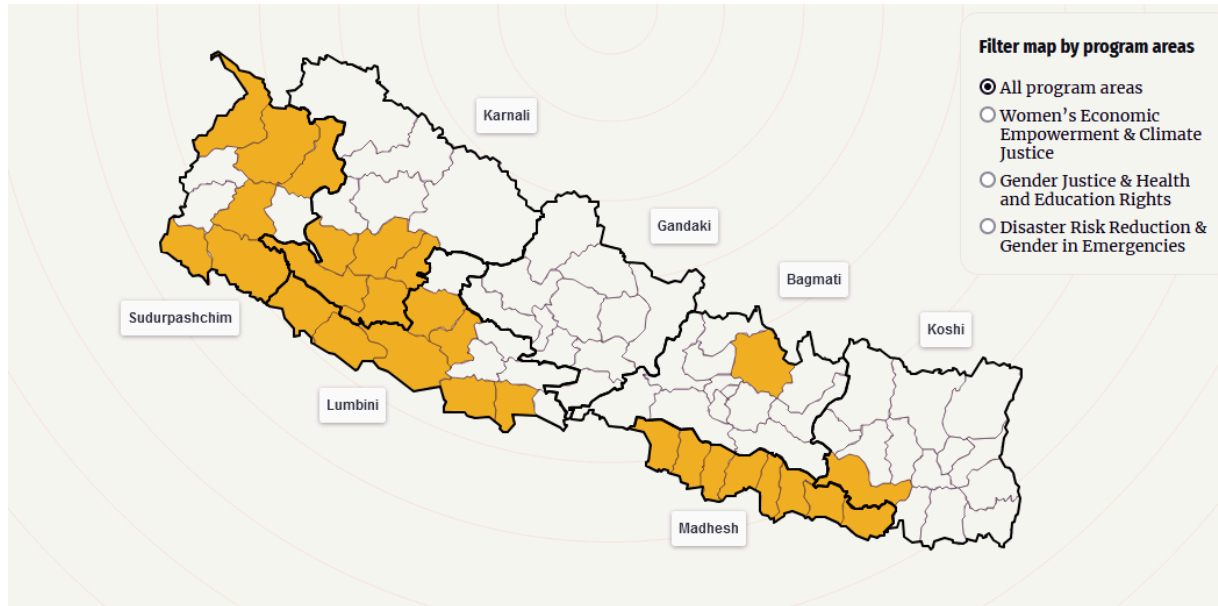
### Reports and Analytics

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>

## **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/easycustommenu>
- **Moodle plugin directory:** [https://moodle.org/plugins/local\\_easycustommenu](https://moodle.org/plugins/local_easycustommenu)

## 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](https://github.com/santoshtmp/moodle-local_customcleanurl)
- **Moodle plugin directory:** [https://moodle.org/plugins/local\\_customcleanurl](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](https://github.com/santoshtmp/moodle-report_usercoursereports)
- **Moodle plugin directory:** [https://moodle.org/plugins/report\\_usercoursereports](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>

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## Education

### Bachelor of Engineering in Information Technology

Nepal College of Information Technology, 2016 - 2019

### High School Degree

Canvas International Higher Secondary School, 2013 - 2015

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## Languages

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

- Nepali