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Professional Summary

A motivated Bachelor of Computer Applications (BCA) student with a solid foundation in HTML, CSS, and Java. Currently expanding skills in React to stay aligned with modern web development trends. Passionate about building user-friendly interfaces and eager to contribute to real-world projects through internships or entry-level roles.

Education

Nepal Mega College, Kathmandu (2078- On-going)
Bachelor of Computer Applications (BCA) — Ongoing
Relevant Coursework: Web Development, Programming Fundamentals

Sagarmatha Multiple College, Kathmandu (2076 – 2077)
Plus 2 in Humanities

Skills

Web Development

- Proficient in HTML5, CSS3, JavaScript, React.js, and Next.js for building responsive, dynamic user interfaces
- Skilled in PHP and Laravel for secure, scalable back-end development
- Extensive experience with WordPress: theme customization, plugin integration, and content workflows
- Familiar with Tailwind CSS, Zustand, Material-UI, and shadcn/ui for modern UI design

Programming & Tools

- Strong foundation in Java and Python with clean, reusable coding practices
- Comfortable with Git, VS Code, RESTful APIs, and basic server setup (Apache/Nginx)
- Experience with SQLite and CSV-based storage, including custom routing and file-locking mechanisms

Deployment & Optimization

- Hands-on deployment experience: hosting, domain setup, SSL configuration, and SMTP integration
- Implemented performance tuning (caching, image compression), SEO enhancements, and accessibility standards

- Familiar with bot protection (CAPTCHA, honeypot), security headers, and automated backups

Certifications & Training

- *React Development Course*
Completed a hands-on training program focused on building dynamic, responsive web applications using React. Gained practical experience in component-based architecture, state management, and modern UI design.
- *Technical Proficiency*
Demonstrated expertise in HTML and CSS for responsive layouts, and WordPress for theme customization and content management.

Projects

1. Nexa Education Consultancy – Study Abroad Platform

A solo-developed web platform designed to help Nepali students explore study opportunities in Japan.

Technologies: PHP, SQLite (PDO), HTML, CSS, JavaScript, AJAX

Highlights:

- Public-facing site with homepage, course listings, blog, gallery, contact form, and newsletter subscription
- Admin dashboard for managing blog posts, newsletter subscribers, and site analytics
- Custom routing, responsive design, and CSV export functionality

Role & Contributions:

- Full-stack developer responsible for end-to-end implementation
- Designed SQLite schema and developed backend APIs for data handling
- Built interactive frontend components and admin interface
- Deployed platform with sample data and ensured mobile responsiveness

2. Dharahara Traders – E-commerce Website

Lightweight, responsive e-commerce platform for a Nepal-based import-export company.

Technologies: PHP 7.4+, HTML5, CSS3, JavaScript, SQLite, Apache/Nginx

Highlights:

- Public storefront with contact forms and newsletter subscription
- Admin dashboard for product and inquiry management
- SEO-friendly design with meta includes and router scripts

Outcome:

- Live at dharaharatraders.com
- Fast load times, mobile support, and reliable performance
- Independently built and deployed under MIT license

- 3. Nepal Mega College – Institutional Website** Next.js-based frontend for an educational institution with dynamic content and admin tools.

Technologies: Next.js, Tailwind CSS, shadcn/ui, Zustand, Material-UI, Lucide React

Highlights:

- Public pages for programs, admissions, events, and campus info
- Admin panel with CRUD operations and content management
- Online admissions form with validation and file uploads
- Facebook SDK integration and external API rendering

Role:

- Architected frontend, built reusable components and responsive layouts
- Integrated state management and dynamic data APIs

Outcome:

- Fully deployable site with engaging UX and scalable admin features

- 4. SS Group Nepal – Corporate Website**

Content-first PHP website for portfolio and contact management.

Technologies: PHP, Apache, HTML5, CSS3, JavaScript, CSV-based storage

Highlights:

- Dynamic pages for portfolio, projects, gallery, and contact forms
- CSV-based backend with file-locking helpers for secure submissions
- Progressive frontend with lazy loading, animated counters, and mobile navigation
- Configurable env.php for secrets and mail setup; .htaccess for routing and security

Improvements:

- Migrated sensitive credentials to .env.php and removed personal data from public repo
- Proposed SMTP integration (PHPMailer) for reliability
- Planned CSV-to-SQLite migration for scalability
- Recommended license clarification (MIT vs proprietary)

- 5. SS Foundation Nepal – NGO Website**

A WordPress-based website developed to represent SS Foundation Nepal, a non-governmental organization focused on community engagement, social programs, and donor outreach. The site serves as a digital hub for sharing organizational information, promoting initiatives, and facilitating public interaction through forms and media.

Technologies & Tools:

- WordPress CMS with custom themes and plugin integrations
- PHP for core logic, theme templates, and plugin customization
- HTML5 and CSS3 for responsive layout and semantic structure
- JavaScript for dynamic interactivity (sliders, galleries, form validation)
- Standard deployment stack: hosting, domain registration, and SSL configuration

Key Features:

- Public-facing pages including Home, About, Programs, Contact, and Gallery
- Responsive design optimized for both desktop and mobile devices
- Contact and donation forms powered by WordPress plugins, with bot protection mechanisms
- Custom theme modifications and plugin configurations for tailored content management
- Newsletter integration and potential for multilingual support

Development Highlights:

- Implemented plugin-based form handling with CAPTCHA and honeypot techniques to reduce spam
- Used semantic HTML and accessibility best practices (alt text, keyboard navigation, ARIA roles)
- Applied SEO enhancements including meta tags, structured data, and clean URLs
- Configured .htaccess rules for security headers and URL rewriting
- Enabled content editors to manage updates without developer intervention

Maintenance & Optimization Strategy:

- Performance tuning through caching plugins, image compression, and minimized CSS/JS bundles
- Security hardening via regular updates, login attempt monitoring, and strong headers
- Automated backups for both database and file system, with version control for custom code
- Scalability planning: proposed migration from plugin-heavy architecture to leaner custom modules
- Recommended SMTP integration (e.g., PHPMailer) for reliable email delivery
- License review and repository cleanup to ensure compliance and protect sensitive data

Outcome: The site provides a professional, accessible, and secure platform for SS Foundation Nepal to engage with donors, volunteers, and the broader community. It balances ease of use for administrators with a polished experience for visitors and lays the groundwork for future scalability and feature expansion.