Sangram Keshari Sahoo

Male, 31 years

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PROFESSIONAL EXPERIENCE

Associate Software Developer

Project: OCAC Training Centre, E & IT Department, Govt. of Odisha   Jan'2022 - (Continue)

Odisha Knowledge Corporation Limited, Bhubaneswar

Website URL: https://ocac.okcl.co.in/

Project Overview: Led the development and management of a high-functionality website and administrative module for the OCAC Training Centre, aimed at modernizing the infrastructure to support enhanced student counseling and course management services.

Technical Development and Design:

- Website Development: Architected and deployed a robust digital platform that seamlessly supports various educational and administrative functionalities essential for student and course management.
- User Interface: Crafted an intuitive and user-friendly interface, integrating complex features for maintaining student records, database management, scheduling, batch updates, and counseling activity tracking.
- Tech Stack: Utilized a versatile tech stack comprising HTML, CSS, Bootstrap, Laravel, and the TALL stack (Tailwind CSS, Alpine.js, Laravel, Livewire) for building a responsive, dynamic, and efficient website.
- Filament PHP Integration: Leveraged Filament PHP to enhance the admin panel's capabilities, allowing smooth management of backend operations such as record updates, user interactions, and content modifications.
- Admin Panel Features: Implemented advanced management tools in the admin panel, enabling administrators to oversee system functions, handle data entries, generate reports, and update student records and counseling session details.

System Integration and Security:

- Integrated advanced analytics tools such as Google Analytics for real-time insights into website usage, and Google Tag Manager for efficient tag management.
- Enhanced security through reCAPTCHA v2 and other security protocols, ensuring safe user interactions and data integrity.
- Incorporated measures to safeguard user data and system checks to mitigate potential threats.

Search Engine Optimization and Content Development:

- Formulated and executed a comprehensive SEO strategy using SEMrush and other industry-standard tools, significantly improving the website's visibility and ranking on search engines.
- Contributed to content development to ensure high engagement, clarity, and value for prospective students and users.

Achievements:

- Successfully bolstered the online presence of the OCAC Training Centre, achieving a notable rank of 2 on Google search results, greatly enhancing accessibility and visibility for educational resources.
- Improved operational efficiency and streamlined administrative processes through innovative use of Filament PHP to facilitate easier content and record management.

Key Additions Using Filament PHP:

- Enhanced Admin Dashboard: Modified and extended the admin panel using Filament PHP, enabling administrators to update course content, manage user access, and create detailed reports effortlessly.
- Custom Widgets and Data Handling: Developed custom widgets for data visualization and batch management, providing an improved overview of student activity and operational metrics.
- User Management Tools: Built tools for administrators to monitor student progress, handle enrollments, and maintain records in real-time, enhancing overall service delivery and process transparency

Project:Prealandaman Tours and Travels

Project Status**: Completed**

Company**: Odisha Knowledge Corporation Limited, Bhubaneswar**

Client Location**: Andaman and Nicobar Islands, India**

Website URL: pearlandamantravels.in

Project Overview: Developed and maintained the **Pearlandaman Tours and Travels** website, a comprehensive platform for a travel business based in the Andaman and Nicobar Islands. The site serves as an interactive portal for visitors looking to explore the region through curated travel packages. It includes a rich set of features such as package displays, pricing information, contact forms, galleries, and location details, all enhanced with a user-friendly interface

and modern design elements.

Technical Development and Design:

- **Tech Stack Used:** TALL Stack (Tailwind CSS, Alpine.js, Laravel, Livewire), supplemented with **Filament PHP** for creating an intuitive admin panel.
- **Frontend Features:**
  - Integrated **Slider.js** for dynamic content sliders showcasing travel packages, attractions, and customer experiences.
  - Created comprehensive package details pages, including user comments, reviews, and ratings for better visitor engagement.
  - Developed responsive layouts with **Tailwind CSS** for seamless display on various devices.
- **Admin Panel:**
  - Implemented using **Filament PHP** for ease of management, allowing the admin to oversee all website functionalities, update package information, and manage customer bookings.
  - Integrated features for booking management, payment acceptance, and tour package confirmations.
  - Designed a page dashboard for detailed overviews of bookings, confirmations, and payment statuses, with graphs powered by **Chart.js** for visual data representation.
  - Added capabilities for receipt generation and client updates within the admin panel.
- **Storage and Security:**
  - Utilized **Cloudflare R2** for secure and scalable storage solutions.
  - Implemented **Cloudflare CAPTCHA** for enhanced security to prevent spam and unauthorized access.
- **System Analytics:**
  - Integrated **Google Analytics** for tracking visitor behavior, enhancing decision-making based on real-time data.
  - Deployed **Google Tag Manager** for efficient handling and updating of marketing tags.

Features and Functionality:

- **Package Display and Booking:** Created detailed package listings with user-friendly booking options and payment processing capabilities.
- **Contact and Location:** Designed contact forms and embedded maps for easy communication and navigation.
- **Reviews and Engagement:** Enabled review submissions, ratings, and feedback mechanisms for users to share their travel experiences.
- **Admin Operations:** Admins can print receipts, update tour details, and have comprehensive control over client management.

Achievements:

- Launched a full-featured, robust travel website that significantly improved the business's online presence and customer interaction.
- Delivered a smooth and secure user experience while incorporating advanced data visualization and management for the admin panel.
- Enhanced operational efficiency through automated and streamlined processes within the admin interface, contributing to better service delivery.

Security and Optimization:

- Integrated **Cloudflare services** to provide security and optimize content delivery.
- Employed **Cloudflare CAPTCHA** to enhance user interactions by adding another layer of security.

This project showcases a blend of cutting-edge web technologies and robust design principles to support a seamless and engaging user experience, aligning with the client's business goals to enhance customer reach and operational management.

Project:Learning Recovery Programme (LRP), OSEPA, Govt. of Odisha

Website URL: https://lrp.odisha.gov.in /

Project Overview: Developed a sophisticated online platform for the Learning Recovery Programme, an initiative by OSEPA to address the educational setbacks faced by students during the COVID-19 pandemic. The project involved creating a centralized system to facilitate the monitoring and enhancement of student learning across various districts in Odisha.

Technical Development:

- Led the design and development of the LRP website (lrp.odisha.gov.in) using Laravel, ensuring a robust and scalable framework to support extensive data handling and user interactions.

- Implemented front-end technologies including HTML, CSS, JavaScript, jQuery, and Ajax to deliver a seamless and dynamic user experience, enabling real-time updates and interactions on the platform.
- Engineered a secure and efficient back-end using MySQL, integrating complex data management systems to store and process educational data effectively.

Project Management and Coordination:

- Coordinated with a team of developers and multiple stakeholders including educational authorities and technical teams to align project objectives with technical execution.
- Managed a decentralized team of District Coordinators and Project Coordinators responsible for overseeing the educational recovery process in 15 districts. Provided them with comprehensive admin rights on the platform to monitor, report, and manage educational activities.
- Designed a central administrative dashboard for OSEPA authorities, facilitating enhanced oversight and strategic decision-making based on real-time data from across the state.

User Role Management and Data Integration:

- Configured multiple user roles within the platform, including roles for Block Education Officers (BEOs), District Education Officers (DEOs), and Resource Persons (RPs), each tailored to meet specific operational needs and security levels.
- Developed functionalities for Resource Persons to visit schools, assess student progress, and update learning metrics directly into the system, ensuring accurate and timely data collection.

Financial and Operational Management:

- Implemented a sophisticated payment management system to process and manage financial transactions for Resource Persons and Project Coordinators, thereby ensuring accountability and financial transparency within the project framework.

SEO and Analytics:

- Applied advanced SEO strategies and utilized tools like Google Analytics to monitor site performance and user engagement, enhancing the visibility and accessibility of the website.

Project: Learning Companion (LC)
Website URL: https://lc.okcl.co.in/

- **Project Overview: L**ed the development of the Learning Companion (LC) platform, an in-house project designed to deliver video courses to students across Odisha. The initiative targeted students from class 3 to class 10, accommodating both the Odia and CBSE boards, and providing content in Odia and English.
- Technical Development and Implementation:
- Developed the LC website using a combination of HTML, CSS, Laravel, Bootstrap, MySQL, JavaScript, and Ajax, creating a robust and scalable platform tailored for educational content delivery.
- Designed a user-friendly interface that facilitates both individual users and institutions in purchasing and accessing educational courses, enhancing the flexibility and reach of the program.
- Integrated a secure payment system to streamline the transaction process for course purchases, ensuring ease of access and financial security.

Admin Panel and User Management:

- Engineered a comprehensive admin panel that allows for detailed management of user accounts, including creation for offline purchases, which broadens the accessibility of courses to users with limited internet connectivity.
- Implemented tools for managing student course assignments, tracking payment details, and generating detailed login and study reports, thereby providing valuable insights into user engagement and educational progress.

System Features and Functionality:

- Developed advanced functionalities to support extensive data handling and user management, ensuring a seamless operational flow and enhancing the educational experience for both students and administrators.
- Ensured the platform's compliance with educational standards and digital security norms, making it a reliable resource for educational institutions and individual learners alike.
- Achievements:
- Successfully deployed a versatile educational platform that has significantly enhanced the learning opportunities for students across multiple educational boards in Odisha, reflecting positively on digital education outreach efforts.
- Website: lc.okcl.co.in

Management Trainee (Coastal Odisha)
Odisha Knowledge Corporation Limited, Bhubaneswar   Oct'18- Jan'2022
 Project: Online applications, Examination and admissions under TE&SCERT, Govt. of Odisha, Entrepreneurs
Network Management and ICT@Schools, Under Ministry of HRD, Govt. of India
 Key Responsibilities:

- Understanding project's requirement and conducting requirement walkthrough sessions.
- Project planning, setting SOW, execution plan & calendars in consultation with customer.
- Coordinating with offshore development team and conducting functional testing.
- Sharing the project content with all relevant teams and assign work to them along with timelines and budget.
- Project Monitoring through Planned vs Achieved Report.
- Supervising a State-wide network of 120 entrepreneurs and working in a team of +20 core professionals for executing different projects of Govt. of Odisha
- Identifying and motivating the young entrepreneurs of Odisha, Building their capacities to invest in and building IT and other Infrastructure for spreading IT Literacy as well as Skill development programs for the masses
- Client Relationship Management (B2B): Understanding Client requirement and modifying our core e-learning products to suit their needs, Maintaining good relationship and Cross selling.

- ICT @ School Project: Flagship program of Government of Odisha, installing and operating ICT labs to deliver IT based education on a Build Own Operate Transfer (BOOT) basis for 4000 Secondary Schools worth Rs. 800 Crores

Project Trainee
Odisha Knowledge Corporation Limited, Bhubaneswar   Sept'16-Sept'18(24 Months)
(OKCL is a public limited company promoted by Higher Education Department, Govt. Of Odisha)
 Key Responsibilities:

- Initiated and spearheaded efforts to create awareness among computer institutes and educational stakeholders throughout Odisha about the e-learning products and services offered by the company.
- Developed and maintained strong relationships with computer institutes, training centers, and educational institutions, serving as a primary point of contact for inquiries and support.
- Conducted comprehensive training sessions for network partners to ensure they were equipped with the knowledge and resources needed to effectively promote and deliver the company's e-learning products.
- Utilized analytical tools and market research techniques to analyze the local educational landscape in Odisha, identifying opportunities for expanding the company's offerings and introducing new e-learning-enabled vocational courses.
- Collaborated closely with the Channel Partner Network to launch and promote new e-learning initiatives, providing strategic guidance and support to ensure successful implementation and adoption.
- Implemented performance metrics and targets to track the progress and success of network partners, offering guidance and support to help them achieve their goals and objectives.

 Additional Responsibilities (Social Media Management):

- Managed and curated content for the company's social media channels, including Facebook, Twitter, Instagram, YouTube, and LinkedIn, ensuring a consistent and engaging online presence.
- Designed and created visually appealing social media posts and graphics using tools such as Canva, Adobe Photoshop, and Adobe Illustrator, maintaining brand consistency and driving user engagement.
- Developed and executed social media marketing campaigns to promote company initiatives, events, and product launches, effectively reaching and engaging target audiences.
- Implemented Facebook Ads campaigns to amplify the reach and visibility of company content and promotions, optimizing campaigns based on performance data and analytics.
- Monitored and analyzed user engagement metrics on YouTube and Facebook, identifying trends and opportunities for optimization and improvement, and providing insights to inform future content strategy decisions.
- Collaborated with cross-functional teams including marketing, sales, and content creation to align social media efforts with overall business objectives and marketing strategies.

 Achievements:

- Successfully increased brand awareness and engagement across social media platforms, resulting in a significant growth in followers and engagement metrics.
- Played a key role in expanding the company's network of partners and affiliates, contributing to the successful launch and adoption of new e-learning initiatives and vocational courses in Odisha.
- Received commendations for outstanding performance and contributions to the company's marketing and outreach efforts during the tenure as a Project Trainee.

SKILLS

1. Web Development:

- Proficiency in **HTML, CSS, JavaScript,** and **AJAX** for robust front-end development.
- Experienced in using **Axios** for dynamic data fetching and state management.
- Expertise in modern web stacks such as **TALL (Tailwind, Alpine.js, Laravel, Livewire)** and **RITL (React, Inertia, Tailwind, Livewire)** for building dynamic and responsive web applications.

2. Framework Expertise:

- Extensive experience with **Laravel**, **Bootstrap**, **Tailwind CSS**, **Alpine.js**, and **Livewire**, contributing to scalable and maintainable web application development.
- Skilled in using **Filament PHP** for creating highly customized and efficient admin panels and back-office management systems.

3. Database Management:

- Proficient in managing and manipulating databases with **MySQL**, crucial for backend data handling, storage, and relational data management.

4. User Interface Design:

- Ability to design intuitive and responsive user interfaces using **Tailwind CSS** and **React**, enhancing user experience and accessibility.
- Skilled in graphic design tools such as **Adobe Illustrator** and **Adobe Photoshop**, along with multimedia creation using **Canva** and **Filmora**.

5. Project Management:

- Experienced in overseeing and coordinating projects, managing development teams, and ensuring timely project milestones with modern project management techniques.

6. SEO Optimization:

- Proficient in using SEO tools like **SEMrush** and implementing best practices to boost website visibility and search engine ranking.

7. Security Implementation:

- Experienced with implementing security features using **reCAPTCHA v2** and **Cloudflare CAPTCHA** for spam and abuse protection.
- Proficient in integrating **Cloudflare R2** for secure and scalable data storage solutions.

8. Digital Analytics:

- Skilled in leveraging **Google Analytics** for comprehensive tracking of website traffic, user engagement, and critical site metrics.

9. Content Development:

- Adept at creating clear, engaging, and accurate content tailored for various web audiences to maintain user engagement and improve information dissemination.

10. Payment System Integration:

- Hands-on experience integrating secure payment gateways, essential for e-commerce and online service-based platforms.

11. Custom User Roles & Permissions:

- Expertise in developing user management systems with complex roles and permissions for secure and diverse user interactions.

12. Cross-Platform Optimization:

- Ensuring websites are optimized for a variety of devices and platforms, enhancing accessibility and user satisfaction.

13. Client Relations and B2B Communication:

- Strong client relationship management skills, with the ability to understand client needs and customize solutions accordingly for optimal results.

14. Office Software Expertise:

- Extensive proficiency in **Microsoft Office Package** and **Microsoft 365**, contributing to enhanced productivity and seamless collaboration in both in-office and remote environments.

EDUCATION

Biju Patnaik University of Technology   Oct'14
Bachelor of Technology in Electronics and Communication Engineering   CGPA: **7.23/10.00**

ACHIEVEMENTS

- ➢ **Received the Best Employee Award for the year 2016-17 for successfully establishing company's new Service line "Online Admissions and Application Systems". The project had 2, 13,879 and 3,03,496 applicants in the year 2014 and 2015 respectively and was a Cash Cow for the Company in both years**

I started with OKCL at its nascent stage. i.e when the firm had just began its presence in Odisha. The firm's aim is to provide Rural IT literacy in the state and I have been a part of it from past 2 years as the Project Manager.

I am born and brought up in the state so, Odiya comes naturally to me. Along with that I am comfortable with Hindi and English too.

To start with I have worked with larger projects (examples) at district levels already and I have been able to effectively overcome any challenges that I have faced over these years- for an instance, the biggest challenge that I faced........

To continue.. I am a self driven person and I work with minimal intervention and push in a top down environment. I m comfortable and also consider myself able enough to drive any project to completion with or without a team.
Additionally, I have also managed a team of people and have been able to timely deliver on any project or activity that I have been assigned with or have taken up individually.

I have closely worked with IAS officers/govt officials etc within the State Govt to drive in ideas, present inputs and handle negotiations which have affected in positive results. I also believe in proactive approach to any problem/situation. Would like to cite an example.......

I have travelled to many districts in Odisha to set up Learning centres and check their operations and wellbeing. Doing follow up on their stability.and dealing with challenges is a major part of my KRA's. What I also learned during these travels are that, people just need to reach out to the right set of people for their problems and I completely respect PAD's vision to create such channels and provide effective reach and consulting to those in need and create a better environment.