Sandhya Timalsena

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in linkedin.com/in/sandhya-timalsena-4077622a3   🔗 Portfolio

Profile

Aspiring **Software Engineer** with hands-on experience in **web development, AI/ML projects, and cross-functional collaboration**. Skilled in building scalable applications using **React, Django, TensorFlow, and Next.js**, while also contributing to product research, user feedback analysis, and feature improvements. Passionate about **conversational AI and delivering customer-centric solutions** that enhance enterprise growth.

Technical Skills

Programming Languages
Java | Python | JavaScript (Node.js) | C++ |

Frameworks & Libraries:
I Next.js | Django | React | TensorFlow | ASP.NET

Databases
PostgreSQL | MySQL | SQLite | MongoDB

Tools & Software
GitHub | Eclipse IDE | Visual Studio | Anaconda Navigator | Oracle DB | Postman

Soft Skills

Leadership

Communication

Decision Making

Crtitical Thinking

Time Management

Team Work

Education

BSc (Hons) Computing   2022 – 2025 | Sundarharaicha
Itahari International College
London Metropolitan University

Projects

MedAhead- AI Healthcare Web App ⧉
Technologies Used: Django, SQLite, React, Scikit-learn
A healthcare-focused web application that predicts diseases based on user inputs using machine learning models built with **Scikit-learn** and **Tensorflow**. Integrates a responsive **React** frontend with a **Django** backend and **SQLite** database. Offers essential healthcare features, creating an accessible platform for early diagnosis and information delivery.

AppleTales – Next.js E-Commerce Website ⧉
Technologies Used: Next.js, React, Tailwind CSS, MongoDB
Built a full-stack apple farming e-commerce platform where users can browse apples, add to cart, and place orders. Implemented server-side rendering with Next.js for improved SEO and fast page loads.

Pathyakarma – Educational Platform ⧉
Technologies Used: Django, HTML, CSS, JavaScript, SQLiteAn all-in-one educational web platform developed using the **Django** framework, following the **MVT (Model-View-Template)** architecture. Pathyakarma provides core academic features such as course management, resource sharing, user authentication, and more—catering to both students and educators. Designed to streamline the learning experience with a clean interface and efficient backend logic.

Pg-Lifestyle - Mattress and Sofas Website ⬈
PG Lifestyle is a dynamic web platform for a sofa and mattress company, built using HTML, CSS, JavaScript, and Django. It features a responsive product showcase and a custom admin panel for managing products, categories, and images. The platform offers a smooth user experience and secure, scalable backend functionality tailored to the company's needs.

Certificates

- Python Essential Training - LinkedIn - Issued on - Mar 23, 2023
- AWS Academy Machine Learning for Natural Language and processing - Issued on : 12/23/2023
- Getting Started with Network Administration - LinkedIn - Issued on April 22, 2023
- AWS Academy Cloud Foundations Issued on: 01/01/2024
- AWS Academy Data Engineering - 40 hours - Issued on 01/06/2024
- Responsive Web Design - freeCodeCamp - Issued on August 13, 2024

Professional Experience

React Intern (Sastra Network Solution)   08/2024 – 10/2024 | Kathmandu, Nepal
Ukesh Shilpakar
As a React intern, I was tasked with building a calculator using React and contributed to developing responsive web interfaces by translating design mockups into interactive components. I worked with technologies like React, Next.js, MUI, and Tailwind CSS to write clean and maintainable code. My role involved integrating APIs, ensuring cross-browser compatibility, and applying best practices in UI/UX development. I also participated in debugging, code reviews, and improving the overall frontend codebase.

Django Intern (Hunchha Digital)   06/2024 – 09/2024 | Itahari, Nepal
Hemant Jung Karki
As a Django intern, I worked on two key projects: **Pathykrama**, an educational platform where I helped build features like user authentication and course management, and **PG Lifestyle**, an e-commerce site for a sofa and mattress company, where I contributed to product listings, cart functionality, and payment integration. This experience strengthened my skills in Django, REST APIs, PostgreSQL, and collaborative development using Git.

Awards

IIC Quest Project Exhibition   12/06/2025
Itahari International College
Among the few selected from our batch to demo the final year project.

StAR - Student Academic Represenrive   2024
Itahari International College
Second year for section L2C3 and L2C4

IIC Quest - Hackathon   2023
Itahari International College
Award for best design categories

Project Demostration   14/12/2024
Purbanchal Campus
Project Demonstrator during ACES Techfest

References

Nishesh Biswas, *Module Leader and PAT,* Itahari International College
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