

Smarika Shrestha

Lalitpur, Nepal | smareeka.shrestha@gmail.com | +977-9804917782

linkedin.com/in/SmarikaShrestha | github.com/SmarikaShrestha

Professional Summary

Motivated and detail-oriented individual with a strong interest in software engineering, eager to enhance technical skills through hands-on experience and collaboration. Proficient in problem-solving, team communication, and project-based learning. Committed to dedicating full-time effort to mastering technologies, contributing to team success, and growing as a skilled software engineer.

Skills

Programming Languages: JavaScript, C, C++, SQL, NoSQL, Dart, Python

Frontend Development:

- React.js, Redux Toolkit, Next.js, TanStack Query
- Tailwind CSS, Material-UI (MUI), Formik, Yup

Backend Development:

- Node.js, Express.js
- JWT, Bcrypt, MongoDB
- Axios, Cors, Nodemon, Env-cmd

Developer Tools: VS Code, Android Studio, Git, GitHub

Other Skills:

- RESTful APIs, API Integration
- Server-side Rendering (Next.js)
- Cross-Origin Resource Sharing (CORS)
- Secure Authentication, Data Validation
- State Management

Projects

HealthEase:

A full-stack web application enabling users to book lab tests and doctor appointments online, supporting multiple user roles. Built with **Node.js**, **Express.js**, **MongoDB**, **Next.js**, **React**, **Redux Toolkit**, **TanStack Query**, **Tailwind CSS**, **Formik**, **Axios**, **Yup**, **MUI**, **Slick Carousel**, **JWT**, **Bcrypt**, **Cors**, **Nodemon**, and **Env-cmd**.

- **Frontend:** Built using **Next.js** and **React.js** for a modern, responsive UI; styled with **Tailwind CSS**, **Material-UI (MUI)**, and interactive elements through **Slick Carousel**.
- **State Management:** Utilized **TanStack Query** for optimized server-state management and **Redux Toolkit** for centralized state management.
- **Form Handling:** Integrated **Formik** with **Yup** for robust form validation and error-free user input handling.
- **Backend:** Developed a secure and scalable backend with **Node.js**, **Express.js**, and **MongoDB** for reliable data storage.
- **Authentication:** Secured the application using **JWT** for token-based authentication and **Bcrypt** for password hashing.
- **Cross-Origin Handling:** Managed efficiently using **CORS**.
- **API Communication:** Ensured seamless client-server communication with **Axios** for a responsive and efficient user experience.

- **Development Tools:** Streamlined development with **Nodemon** for automatic server restarts and **Env-cmd** for environment configuration.

E-Commerce Platform:

A full-stack eCommerce platform facilitating seamless transactions between buyers and sellers, supporting multiple user roles. Built with **Node.js**, **Express.js**, **MongoDB**, **React**, **Redux Toolkit**, **Tailwind CSS**, **Axios**, **JWT**, **Bcrypt**, **MUI**, **Formik**, **Yup**, **Nodemon**, **Env-cmd**, and **Next.js**.

- **Frontend:** Built using **React.js** and **Next.js** for a responsive and fast UI; styled with **Tailwind CSS** and **Material-UI (MUI)** for a modern design.
- **State Management:** Utilized **Redux Toolkit** for managing global state, ensuring smooth user interactions across the application.
- **Form Handling:** Implemented **Formik** with **Yup** for clean and robust form validation and user input handling.
- **Backend:** Developed a RESTful API with **Node.js** and **Express.js** for handling all server-side operations.
- **Authentication:** Secured the application using **JWT** for token-based authentication and **Bcrypt** for password hashing.
- **Database:** Used **MongoDB** for scalable, NoSQL data storage and retrieval.
- **API Communication:** Managed client-server communication effectively using **Axios**.
- **Development Tools:** Streamlined development with **Nodemon** for automatic server restarts and **Env-cmd** for environment configuration.
- **Server-Side Rendering:** Utilized **Next.js** for server-side rendering, improving overall application performance.

Certifications

AWS Academy Cloud Foundations

Amazon Web Services (AWS)

Issued: July 26, 2024

Certificate Link: [Certificate Link](#)

Awards

- **The Laurel of the College 2081:** Awarded for outstanding academic and extracurricular achievements.
- **First Position in All Girls Hackathon :** Achieved first place in the hackathon organized by **KEC** on 9th December 2022 in collaboration with **WLIT (Women Leaders in Technology)**.

Education

Kantipur Engineering College, Bachelor in Computer Engineering

April 2021 – April 2025

Xavier Academy, High School

2018 – 2020

- GPA: 3.69/4.0

Little Angels' School, Higher Secondary Education Board

- GPA: 3.85/4.0

References

Er. Arun Chapagain

Broadway Infosys

Senior Software Engineer and Tutor

Er. Prahlad Chapagain

Kantipur Engineering College

Chief of RTCD