

anilgyawali

Computer Engineer

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Motivated and detail-oriented Computer Engineer student with a strong foundation in programming, problem-solving, and web development. Seeking opportunities to leverage my skills in software development and contribute to innovative solutions.

EDUCATION

SEE	nepalgunj
<i>Brightland Higher Secondary School</i>	Apr, 2018
+2 Science	nepalgunj
<i>Modern Public College</i>	Jun, 2018 - Dec, 2020
Bachelors In Computer Engineering	lalitpur
<i>Cosmos College Of Management And Technology</i>	Apr, 2021 - Present

PROJECTS

Library Management System

Role: .NET Developer

Tech Stack: C#, Windows Forms, SQL Server, ADO.NET

Developed a desktop-based Library Management System using C# and Windows Forms to streamline book issuing, returning, and inventory tracking. Designed a clean, responsive user interface for librarians to manage books and members efficiently. Implemented backend functionalities using ADO.NET to interact with a SQL Server database, supporting operations like adding/removing books, tracking issue history, and calculating fines for overdue returns. Integrated features such as book search by title or author, user registration, and due date reminders. Employed a layered architecture for better separation of concerns and used parameterized queries to ensure database security and prevent SQL injection

National Health Monitoring System – Hackathon Project

Role: Frontend Developer

Participated in a hackathon where we built a real-time web-based system to monitor and analyze hospital data related to disease cases. Designed and implemented a user-friendly, responsive interface using React.js and Chart.js, allowing clear visualization of patient data and outbreak trends.

Created interactive charts to display the number of patients, track disease spikes, and detect local outbreaks in real time. Collaborated closely with the backend team using Node.js and PostgreSQL to ensure real-time data syncing and seamless integration of hospital statistics.

Enhanced overall system performance by optimizing load times, using dynamic data-driven charts, and ensuring cross-device compatibility through responsive design. <https://github.com/Hunter-420/NHA-National-Health-Agency>

Blog Website

Role: Full-Stack Developer

Developed a dynamic blog platform that enables users to create, read, update, and delete posts, fostering an interactive contentsharing experience.

Designed and implemented a responsive frontend using HTML, CSS, JavaScript, and React, ensuring smooth navigation across all devices.

Built a robust backend with Node.js, Express, and MongoDB to handle user authentication, post management, and comment functionality.

Implemented secure login/signup with JWT authentication and role-based access for content moderation.

Enabled real-time updates and optimized API performance for a seamless user experience.

Focused on scalability and code maintainability, adhering to clean architecture principles and RESTful design.

<https://github.com/anilgyawali0623/mern-blog>

Chat Application

Role: Full-Stack Developer

Built a real-time chat application to facilitate seamless, instant communication between users using WebSockets (Socket.io). Designed an intuitive and responsive frontend using CSS tailwind and React, providing a smooth user experience across devices. Implemented a Node.js and Express backend with Socket.io integration to enable instant message delivery and real-time user interactions.

Managed user sessions with secure authentication and event-driven architecture.

Collaborated on database integration using MongoDB to persist user data.

Used zustand library for state management.

<https://github.com/anilgyawali0623/whatsapp>

AI Interview Assistant

Role: Full-Stack Developer

Developed an AI-powered voice assistant that conducts interviews and provides automated performance evaluations based on candidate responses.

Built a fast, responsive interface using Next.js and TypeScript, with clean component architecture and seamless navigation. Integrated the Google Gemini API for natural language understanding and dynamic question generation tailored to different roles. Implemented real-time voice interaction using Vapi (Voice Assistant API), allowing users to speak naturally and receive instant AI-driven follow-ups.

Engineered a smart scoring system that analyzes responses for conciseness, clarity, and content quality, then generates a detailed performance report.

Used Firebase for real-time database operations, authentication, and data storage.

Deployed the application on Vercel, ensuring fast global performance, serverless functions.

<https://github.com/anilgyawali0623/interviewai>

SKILLS

Databases: MongoDB, MySQL, PostgreSQL, SQL Server, Firebase, Mongoose

Programming Languages: JavaScript, Typescript, Python, C#, Java, SQL

Version Control & Collaboration Tools: Git, GitHub, GitLab,

Web Frameworks: React.js, Next.js, Express.js, Node.js, Bun.js

Testing & Debugging Tools: Postman, Thunder Client

Operating Systems: Windows Server 2022/2019/2016

DevOps & Deployment: Docker, CI/CD Pipelines, Vercel

Languages: English, Hindi, Nepali