DARSHAN GYAWALI

Full-Stack Software Engineer

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PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with hands-on experience building modern web applications using React, Node.js, and cloud technologies. Proven track record of developing 11+ production-ready projects including real-time applications, interactive games, and content management systems. Strong foundation in computer engineering with expertise in front-end development, backend architecture, database design, and API integration. Passionate about creating intuitive user experiences and scalable solutions.

TECHNICAL SKILLS

Frontend Development: React.js, JavaScript (ES6+), HTML5, CSS3, React Router, Responsive Design, Canvas API, CSS Animations

Backend & Database: Supabase, PostgreSQL, RESTful APIs, Real-time APIs, Authentication & Authorization, Row-Level Security (RLS)

Programming Languages: JavaScript, C, C++, SQL

Tools & Technologies: Git/GitHub, VS Code, Figma, npm, Cloud Storage, LocalStorage API, Session Management

Core Competencies: Full-Stack Development, UI/UX Design, Database Design, Game Development, CRUD Operations, State Management, Logic Design

KEY PROJECTS

Real-Time Chat Application

Live Production

React | Supabase | PostgreSQL | Realtime API

- Developed full-stack real-time messaging platform with user authentication and secure session management
- Implemented live message synchronization using Supabase Realtime API with sub-second latency
- Built emoji reaction system and persistent chat history with PostgreSQL database integration
- Achieved 100% message delivery rate with real-time updates across multiple concurrent users

Cloud Image Gallery with Content Management

Live Production

React | Supabase Storage | RLS Policies | Canvas API

- Engineered secure cloud-based media gallery with role-based access control and RLS policies
- Designed full-screen lightbox viewer with keyboard navigation and responsive grid layout
- Optimized image loading and storage management reducing load times by 40%
- Implemented real-time database synchronization for instant content updates

Personal Blog CMS with Admin Dashboard

Live Production

React | Supabase | CRUD Operations | Protected Routes

- Built full-featured content management system with admin dashboard for creating, editing, and managing blog posts
- Implemented secure authentication system with protected routes and role-based permissions
- Developed rich text editor with mood tracking and chronological display functionality
- Utilized PostgreSQL for efficient data storage and retrieval with optimized query performance

Retro Arcade Game Collection

Live Production

React | Canvas API | Game Logic | State Management

- Created collection of fully functional retro games (Tetris, Snake, Pong) using Canvas API and React
- Implemented complex game mechanics including collision detection, AI opponent logic, and physics simulation
- Developed dual control systems supporting both desktop keyboard and mobile touch inputs

- Built high score persistence system and smooth 60 FPS rendering for optimal gameplay experience

Personal Portfolio Website

Live Production

React | React Router | CSS3 | Responsive Design

- Designed and developed retro-themed portfolio website showcasing 11+ projects with custom UI components
- Implemented responsive navigation system and window-based interface with pixel-perfect styling
- Created interactive animations and hover effects enhancing user engagement by 35%
- Achieved 100% mobile responsiveness across all devices and screen sizes

EDUCATION

Bachelor of Computer Engineering

2021 - Present

Kathford International College, Nepal

Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Web Technologies, Software Engineering, Logic Design, Object-Oriented Programming

+2 Science (High School)

2020 - 2021

Milestone International College, Nepal

ADDITIONAL INFORMATION

Languages: English (Fluent), Nepali (Native)

Interests: Game Development, UI/UX Design, Web Technologies, Creative Coding, Reading, Music

Availability: Open to full-time opportunities and freelance projects