

Ashim Thapa Magar

Full Stack Developer | MERN | TypeScript | NEXT JS | Express

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WORK EXPERIENCE

TechSolve Solutions

- Developed a user-friendly web application using React.js and TailwindCSS, NextJS, Node, Express JS
- Collaborated with a team of 2 to implement a RESTful API using Node.js and Express, ensuring seamless data flow between the frontend and backend.
- Optimized database queries in MongoDB, reducing query response time by 20%.
- Integrated JWT-based authentication, securing user access.
- Participated in code reviews and followed Agile methodologies, improving code quality and development efficiency.

EDUCATION

- **Patan Multiple Campus**, Patan, Lalitpur
Bachelor's Degree (Ongoing)
- **Sainik Awasiya Mahavidyalaya**, Kharini, Chitwan
+2, NEB — Grade: B (2078 B.S)
- **Sainik Awasiya Mahavidyalaya**, Teghari, Kailali
SEE — GPA: 3.25 (2075 B.S)

PROJECT

Medi-care an ecommerce platform for buying vitamins and protein

<https://broad-project.vercel.app/>

Tech-stack used

-NextJS with typescript Express Node JS mongodb for storage

-for publishing Vercel and on render

News portal - classic-pape -paperio

<https://news-portal-swart-zeta.vercel.app/>

- Developed a full-stack news portal using **MongoDB, Express.js, React.js, and Node.js (MERN)**.
- Implemented role-based access control (Admin, Journalist, Viewer) for secure and structured content management.
- Created RESTful APIs for managing users, news articles, and user roles with **Express.js and MongoDB**.

- Enabled image upload and storage using **MongoDB GridFS** for efficient handling of multimedia content.
- Designed a dynamic and responsive React frontend with **ES6 and Fetch API** integration.
- Ensured optimized data rendering and secure API communication through proper authentication and middleware.

AI Voice Chat Girlfriend

<https://mygirlfriend-beryl.vercel.app/>

React.js | Web Speech API | Gemini API (Google)

- Developed a **voice-based AI companion** web app using **React**, integrating **SpeechRecognition** and **Text-to-Speech (TTS)** for real-time, conversational interactions.
- Utilized **Google's Gemini API** to generate natural-sounding, emotionally expressive replies based on user speech input.
- Implemented **custom speech synthesis logic** to select context-appropriate female voices across platforms (e.g., Samantha, Zira, Linda).
- Designed the AI personality as a **tech-savvy virtual girlfriend** with an interest in coding, tailoring the system prompt for role consistency and emotional tone.
- Ensured asynchronous voice flow by managing state and voice loading events, improving UX and reducing lag in response playback.

Skills & Abilities

Languages: Javascript, Java,C#

- Frameworks:NEXT Js, React. Js, Express,Tailwind CSS
- Cloud/Databases/Tech:Github,git,MongoDB,Prisma,AI-Integration,Node,Docker