

Tenzin Thinlay Bhutia

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SUMMARY

Full Stack Developer with 4 years of experience specializing in scalable web architectures, AI-driven tools, and security orchestration. Expert in JavaScript, TypeScript, React, and Node.js. Focused on integrating LLMs for context-aware browser assistance and automated vulnerability remediation.

EXPERIENCE

Full Stack Developer | Tecnotree Convergence Pvt Ltd

Dec 2021 — Present

- Delivered full-stack features using React, Next.js, and Node.js for major enterprise projects.
- Optimized RESTful API endpoints, improving data retrieval performance by 30%.
- Improved page load performance by 40% via code-splitting and caching strategies.

PROJECTS

Lumen AI — LLM-Powered Browser Assistant

Jan 2026 — Present

JavaScript (Chrome Extension API) • Groq Cloud API • Llama 3.1 • Marked.js • Manifest V3

- Engineered a high-performance **Manifest V3** Chrome extension that provides real-time, context-aware AI analysis of web content.
- Architected a secure **Background Service Worker** to manage asynchronous API handshakes between the browser context and Groq's LPU infrastructure.
- Integrated **Chrome Context Menus API** and specialized content scripts to enable "one-click" explanations for highlighted text across any website.
- Developed a secure **BYOK (Bring Your Own Key)** vault using the `chrome.storage` encrypted local state to ensure zero-knowledge user privacy.
- Optimized the UI using a custom-built Markdown renderer and non-blocking CSS, maintaining browser performance while displaying complex AI outputs.
- View Repository

Autonomous Bounty Hunter — AI Security Agent

Oct 2025 — Present

Python • Semgrep • Llama 3/4 • Solidity • Foundry

- Engineered an AI agent that automates vulnerability detection and generates surgical security patches.
- Integrated Semgrep for SAST and logged immutable fixes on-chain using a Solidity layer.
- View Repository

Smart Contract Security Audit Engine

June 2025 — Sept 2025

Solidity • Foundry • Anvil • Node.js • Ethers.js

- Built an automated suite for smart contract auditing using Foundry fuzzing and static analysis.
- Simulated reentrancy and overflow attacks in isolated environments to verify contract robustness.

Professional Portfolio

Jan 2025 — Present

React.js • Next.js • TailwindCSS • Netlify

- Created a modern developer portfolio showcasing full-stack projects and real-world case studies.
- Optimized SEO and accessibility scores to 95+ using semantic HTML and ARIA roles.
- View Project

SKILLS

AI & Web: LLM Integration, Chrome API, JavaScript, TypeScript, React, Next.js, Node.js, Tailwind

Sec & Web3: SAST (Semgrep), Solidity, Foundry, Vulnerability Remediation, OWASP Top 10

Tools: Git, Docker, GitHub Actions, CI/CD, MongoDB, Firebase, Agile, Shell Scripting

EDUCATION & OTHER

B.Tech — Electronics & Communication Engineering

2017 — 2021

Surendra Institute of Engineering & Management | 3.7 GPA

Languages: English, Hindi, Nepali, Tibetan | **Interests:** Cybersecurity, AI Ethics

