

SUMIT NEPAL

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Passionate Computer Science enthusiast with a focus on cybersecurity, data science, and privacy, dedicated to securing systems, analyzing data, and promoting ethical, privacy-focused solutions.

EDUCATION

Bachelor of Science in Computer Science and Information Technology (BSC.CSIT)

2019-2024

Tribhuvan University, Butwal Multiple Campus

Butwal, Nepal

COURSEWORK

- Classical Cypher
- Artificial Intelligence
- Malicious Logic
- RSA Algorithm
- Network Security
- Computer Networks
- Simulation and Modeling
- SHA and Digital Signature

SKILLS

- Web Development:** *HTML, CSS, React, Tailwind CSS*
- Programming Language:** *JavaScript, TypeScript, Python*
- 2D & 3D visual design tools:** *Figma, Adobe XD*
- Other tools:** *SQL Server, Git, GitHub, Canva*

PROFESSIONAL EXPERIENCE

Vtech Software Solutions | Frontend Development

Butwal, Nepal | October 2024- Present

- Developed and optimized UI components to enhance user experience using HTML, CSS, and JavaScript frameworks.
- Collaborated with developers to ensure seamless integration of front-end elements with server-side logic.

Sciever Inc. Pvt Ltd | Intern

Kathmandu, Nepal | April 2024- June 2024

- Designed secure UI components in Figma, incorporating encryption standards for safe user interactions.
- Developed frontend features with React JS, integrating encryption and secure authentication to protect user data and enhance privacy.
- Collaborated with backend teams to ensure encrypted data transmission and secure API integration, focusing on real-world application of cryptography in the user experience.

PROJECT

Trade Ex- A Secure Book Exchange System

| FEBRUARY 2024

- Developed a full-stack web app with Firebase authentication, ensuring secure user registration, book listings, transactions, and chat functionalities.
- Implemented token-based authentication and end-to-end encryption for real-time chat, safeguarding sensitive user information and ensuring data privacy.
- Developed a high-performance query filtering algorithm, indexing and filtering over 100,000 books by author or title with minimal latency.

Chatroom Application Design

| March 2024

- Designed an internal chat room for Sciever Inc. Pvt. Ltd., allowing only company members to log in for secure communication.
- Created interactive Figma prototypes to visualize the UI and gather feedback for iterative improvements.
- Implemented privacy-focused design principles to ensure a seamless and protected user experience.

Additional Project: *Weather App, NewsMag, Tic-tac-toe* |  *Profile_Design* | 

REFERENCES

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