PRASTAV KOIRALA

Cybersecurity & UI/UX Engineer

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SUMMARY

A technology professional with experience across cybersecurity, SIEM operations, and UI/UX design. Interested in building secure, intuitive, and user-focused digital experiences.

PROFESSIONAL EXPERIENCE

SIEM Engineer and Security Analyst Intern | July 1, 2026 – October 17, 2026
CryptoGen Nepal
• Monitor, analyze, and triage security alerts using the LogRhythm SIEM platform.
• Perform log correlation, threat detection, and real-time security event analysis across enterprise systems.
• Investigate security incidents and support incident response and remediation efforts.
• Maintain and fine-tune SIEM rules and alerts to improve detection accuracy and reduce false positives.

UI/UX Design Engineer Intern | February 2, 2026 – May 1, 2026
Codniv Innovations
• Designed user-friendly website interfaces and digital experiences using Figma; created wireframes, interactive prototypes, and responsive layouts for web and mobile applications.
• Developed logos, brand identities, typography, and demo brand websites; designed dashboards and visual assets using Figma and Canva.
• Applied UI/UX principles, visual hierarchy, and consistent design systems to improve usability.
• Prepared design assets and prototypes to support frontend development and implementation.

IT Intern | June 2024 – July 2024
Rastriya Beema Company Limited, Nepal
• Worked with SQL and database operations using sample datasets.
• Gained exposure to enterprise networking, servers, and cloud infrastructure.
• Assisted in IT support and system administration activities.
• Learned practical applications of databases and information systems in an organizational environment.

EDUCATION

Vellore Institute of Technology (VIT), Vellore | 2022 – 2026
Bachelor of Technology in Computer Science & Engineering
• CGPA: 7.55
• Relevant Areas: Web Programming, Database Systems, Software Engineering, Artificial Intelligence, Cloud Computing, Cyber Security, and Computer Networks.

SKILLS

Programming Languages: Python, C, C++, JavaScript

Security & SIEM Tools: LogRhythm SIEM, FortiSIEM, Wazuh, Kali Linux

Frontend: React, Next JS, WordPress, HTML, CSS, JavaScript, Bootstrap

Backend: MySQL

UI/UX & Design: Figma, Canva, Wireframing, Prototyping, Visual Design

Other Tools: Git, Github, Linux, MS Office, DNS Management

Soft Skills: Strong communication, Leadership, Teamwork, Time Management

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PROJECTS

Kalavurse
Techstacks used: HTML, CSS, JavaScript, Bootstrap
• Designed and developed a creative marketplace platform connecting artists and clients.
• Integrated Web3Forms and Tawk.to for order management and live chat support.

ExploreEyeOnline
Techstacks used: HTML, CSS, JavaScript, Bootstrap
• Developed a responsive jersey e-commerce website.
• Implemented inquiry forms and customer support features.
• exploreeyeonline.com

Geopolitical Double Speak Analysis
Tech Stack: Python, PyTorch, BERT, Pandas, Matplotlib, NLP, Text Preprocessing, BERT-based Vectorization/Embeddings, Sentiment Analysis, Narrative Analysis, Data Visualization.
• Applied multilingual text preprocessing and BERT-based vectorization for narrative analysis.
• Performed sentiment analysis and clustering on geopolitical news datasets.
• https://github.com/Samyam30/geopoliticalAnalysis.git

REFERENCES

Available upon request.