Ukesh Dhakal

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Technical Skills

Linux & Networking: Linux administration (Arch/Debian-based), SSH, systemd, permissions & processes, DNS, DHCP, HTTP/S, TCP/IP, UFW firewall, Cisco Packet Tracer
Scripting & Automation: Python, Bash, JavaScript/Node.js — automation, log parsing, scheduled tasks
CI/CD & Containers: Git & GitHub, GitHub Actions CI/CD pipelines, Docker & Docker Compose , Kubernetes (Beginner), Jenkins
Infrastructure as Code & Config Management: Terraform, Ansible
Monitoring & Observability: Prometheus, Grafana,
Cloud: AWS (EC2, S3, IAM, Route 53, Security Groups), Vercel, Firebase

Certifications

- AWS Cloud Practitioner Essentials (AWS) — course completion certificate
- Linux Unhatched (Cisco)
- Networking Basics (Cisco)
- Introduction to Docker (KodeKloud)
- AWS Academy Graduate Cloud Foundations
- DeerHack 2026 — Blockchain Track Winner (EternalMind: IPFS + Solidity ERC-721 + AES-256-GCM encrypted memory vault)

Experience

Web Developer Intern — Rewa Soft Pvt. Ltd. Sep 2025 – Dec 2025
On-site, Kathmandu, Nepal

- turned design ideas into working digital products using code
- Integrated server-side APIs and ran Git-based version control workflows alongside a cross-functional team
- Documented deployment steps and configuration changes as team reference material, reducing repeat setup errors

Projects

Homelab — Self-Hosted Infrastructure & Monitoring Personal Project, Ongoing

- Administer a self-hosted Linux server environment: service configuration, user/permission management, and troubleshooting down to the systemd layer
- Designed a Prometheus + Grafana monitoring stack with alerting on service and resource anomalies, so issues surface before they're user-reported
- Manage local network setup (DNS, DHCP, firewall rules) and maintain written recovery documentation

Three-Tier Application — Containerized Build [Docker Hub] Personal Project

- Containerized a frontend/app/database stack with Docker and published the images to Docker Hub
- Wrote and iterated on Dockerfiles across all three services, reasoning about layer caching and image size

Portfolio Site — ukeshdhakal.com.np [live] Personal Project, Ongoing

- Deploy and self-host on an AWS EC2 instance; configured Route 53 DNS, SSL/TLS, and security group rules restricting inbound access
- Manage instance-level hardening (SSH key-based auth, firewall rules) and handle ongoing maintenance and uptime

nepal_jobs_js — Automated Job Scraper [repo] Personal Project, 2026

- Built a Node.js scraper automated via a GitHub Actions CI/CD workflow (scheduled cron trigger) with Discord webhook alerting
- Diagnosed and resolved a Node runtime compatibility break in the pipeline, keeping the automated workflow green

EternalMind — Blockchain Digital Legacy Platform [repo] DeerHack 2026

- Built a full-stack Web3 platform applying AES-256-GCM encryption to protect stored data, released via smart-contract logic; deployed on Vercel

Education

Bachelor of Information Technology (BIT) — Model Institute of Technology (MIT) Expected 2029
Kamladi, Kathmandu, Nepal