

BIBEK KUMAR SAH

Engineering AI-Driven Infrastructure for a Smarter Digital Ecosystem.

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EXPERIENCE

Founder, CEO & CTO

Nexalaris Tech Pvt. Ltd.

Jul 2024 – Present

Janakpur/Kathmandu, Nepal

- Built an AI-first technology company from zero to a 10-person team; bootstrapped operations and delivery. Company registered Nov 2024.
- Own end-to-end strategy, engineering leadership, solution architecture, security posture, and P&L. One-person force-multiplied by AI workflows.
- Delivered AI integration, web/mobile, cloud, and cybersecurity solutions across multiple sectors.
- Selected deliveries: **Subhyatra** (ride-booking app); **Marwadi College, Darbhanga** (solutions delivery); **NepalReforms.com** (civic tech platform); **SellMyVote.nepalreforms.com** (AI-powered voting awareness tool); **NRAI-Kancha**; **CloudLuemen.in**; College Management Solution (in progress).
- Established zero-downtime CI/CD with GitHub Actions, Docker, Nginx reverse proxy, and port swapping on Linux VPS.
- Recognition: NepalReforms products acknowledged by senior Nepal officials including *Kul Chandra Gautam* and *Rameshwar Khanal*.

Freelance Engineer & Security Researcher

Self-Employed

Nov 2022 – Jun 2024

Remote

- Pen-testing and bug-bounty participation (Bugcrowd, Hacker101).
- Built full-stack web and mobile apps; delivered branding/design assets for SMEs.

Pre-Sales Engineer

Raabtah'

May 2022 – Aug 2022

Hybrid

- Deployed firewalls, authored security policies, and monitored environments.
- Advised customers on solution fit; produced collateral for sales enablement.

Content Writer

GeeksforGeeks

Aug 2019 – Dec 2019

Online

- Authored technical articles for developer audiences.

PROFESSIONAL SUMMARY

Founder, CEO & CTO leading an AI-first technology company delivering secure, scalable systems across cloud, web, and mobile. Blends hands-on engineering with executive execution. Operates lean, automates aggressively, and ships fast. Builds platforms that compound value for clients and citizens.

MOST PROUD OF



Nexalaris Tech

Bootstrapped from zero to a delivery-ready team and portfolio.



Civic Impact

Built NepalReforms platform and AI tools that advanced public awareness.



Engineering Ops

Implemented zero-downtime CI/CD and secure-by-default delivery patterns.



Founder Resilience

Scaled as a solo founder leveraging AI to multiply output.

STRENGTHS

Visionary Leadership

AI Engineering

Strategic Execution

Cybersecurity Expertise

Growth Mindset

Resilience

CERTIFICATIONS

- CEH (Certified Ethical Hacker)
- Fortinet NSE 1–4
- Sophos Central Endpoint & Server Engineer
- Acronis Cloud Tech Fundamentals
- Additional competencies: Prompt Engineering, Context Engineering, React Developer, UI/UX Designer

PROJECTS & PRODUCTS

Civic & Public-Interest Platforms

- **NepalReforms.com**: Scalable civic-tech platform; recognized by national leaders; designed for long-term policy engagement.
- **SellMyVote.nepalreforms.com**: AI tool that drives voting awareness and citizen education.

Mobility & Education

- **Subhyatra**: Ride-booking application; architecture, backend, and mobile app delivery.
- **Marwadi College, Darbhanga**: Delivered digital solutions; **College Management Solution** in progress.

Cloud & Platform Engineering

- **CloudLuemen.in**: Cloud services delivery with automation, monitoring, and security-by-default.
- **AI Agent Integration Framework**: In-app autonomous agent layer with tools and MCP-backed workflows.
- **NexOS (prototype)**: AI-native Linux environment on NixOS targeting x86_64 and ARM for reproducible builds and agent-first UX.

SKILLS – CATEGORY-BASED

AI & Data

- Model integration, tool orchestration, MCP ecosystem, agent frameworks, prompt engineering, context engineering.

Web Engineering

- Next.js (preferred), React, Node.js/Express, Django, REST/GraphQL, SQL, caching, performance.

Mobile

- React Native + Expo, production releases, OTA updates, store operations.

Cloud & DevOps

- AWS, Azure, GCP, Vercel, Netlify, Render; Docker, Nginx; GitHub Actions CI/CD; Linux ops; IaC basics; observability.

Cybersecurity

- Pen-testing, firewalls, Burp Suite, Metasploit, Wireshark, threat modeling, security policy, incident response.

Design & Brand

- Figma, Photoshop, Canva; design systems; UX flows; rapid prototyping.

E-commerce

- Shopify, WooCommerce; storefront, payments, integrations.

Leadership & Business

- Strategy, product leadership, customer success, partnerships, delivery management, hiring, budgeting.

LANGUAGES

English	●●●●●
Hindi	●●●●●
Nepali	●●●●●
Maithili	●●●●●

EDUCATION

B.Sc. in Computer Science
Visvesvaraya Technological University
📅 2019 – 2023 📍 Bangalore, India

MY LIFE PHILOSOPHY

“Don’t follow every voice that calls itself wisdom. What shaped them may not shape you. Learn from others, but choose only what fits your path and your pace.”

— Bibek Kumar Sah