Rohan Batra

Vikasnagar, Dehradun, Uttarakhand, India | contact@rohanbatra.in | +91-74178-79921
github.com/rohanbatrain | linkedin.com/in/rohanbatrain | hpe.rohanbatra.in | portfolio.rohanbatra.in

SUMMARY

Final-year CS (Cyber Security) student at UPES, open to any role at HPE — networking, platform, software, support or security, internship or full-time. Co-built and operates a campus emergency system on HPE Juniper SRX, EX and Mist, presented to Team HPE; built Shimpaku, Mist-style assurance for a Junos lab.

EDUCATION

UPES Dehradun — B.Tech (Hons.) Computer Science Engineering, Cyber Security *Aug 2023 – Aug 2027*
CGPA 8.1/10

SKILLS

Networking: HPE Juniper SRX / EX / Mist, Junos, OSPF, BGP EVPN-VXLAN, BFD, gNMI, NETCONF, Virtual Chassis, VLANs, QoS / CoS, LLDP-MED, PoE, DHCP / NAT, DNS
Infrastructure: Linux, Kubernetes, Docker, Helm, Proxmox, KVM, Terraform/OpenTofu, Ansible, GitHub Actions
Languages & backend: Python, C++, C, Rust, Shell, FastAPI, PostgreSQL, Redis **Security:** Semgrep, Trivy, Gitleaks, Vault, AppArmor

PROJECTS

UPES-ECS — Campus Emergency Communication System *Live | Code*
LAN-only emergency calling on HPE Juniper networking, presented to Team HPE in Bengaluru (15 Jul 2026) and live at UPES (20 Jul 2026).

- Co-built a **LAN-only** 111 hotline on Asterisk/PJSIP (no internet, SIM or cloud) on **Juniper SRX300/320**, a **Virtual Chassis of two EX2300-C-12P** PoE switches and **Mist AP32** Wi-Fi 6.
- Engineered self-healing voice: **LLDP-MED** voice VLAN provisioning, strict-priority **CoS for RTP**, DHCP snooping with DAI, Junos **event-options** that power-cycle a hung AP, and **caller location by switch port** over NETCONF.
- Operate it as production: active/standby HA, health checks, load testing; three documented RCAs, including a NAT media-address fault that dropped every call at 32 s.

Shimpaku — Mist-style Assurance for a Junos Lab *2026 – Present | Code | Lab*
Assurance NMS for seven vJunos devices, on my 7-Day Sprint lab. *Python, React/TypeScript, gNMI, NETCONF, MCP*

- gNMI telemetry every 10 s, service levels from 24 synthetic probes, **blast-radius** root cause, and a fault-injection harness (80/80 self-test trials).
- **Ask Shim**, an MCP AI agent across campus and leaf–spine topologies, can only **propose** changes: human approval, ten guardrails, `commit confirmed`, hash-chained audit — 8 of 16 first-week proposals blocked before commit.
- *7-Day Sprint:* spine/leaf **EVPN-VXLAN** on libvirt/KVM; closed a 40 s dead-spine detection gap with **BFD**; config generated and deployed over NETCONF/Ansible, checked in CI.

Paridyum — Independent Multi-Tenant Platform
Solo: bare metal to a five-node Kubernetes cluster with a public edge.

- Hardened metal through **Proxmox and OpenTofu** to **Talos Linux and Kubernetes** with Cilium; 31,000+ lines of Rust across two production tools.

EXPERIENCE

Hardware & WireGuard Research Intern *Jul 2026 – Present*
Exaflair Technologies Pvt. Ltd., Dehradun — Remote

- Primary infrastructure contributor to **DEKLO**, a self-hosted edge PaaS: Ansible-automated **k3s** fleet over a **WireGuard** mesh, tenant database backups with restore drills, registry authentication.

Platform Engineering Intern *Nov 2025 – Jul 2026*
Eve (TechyMonks), Bengaluru — Remote

- Founded the **APISIX gateway** (routing, JWT auth, tenant isolation, Cerbos authorization) and the FastAPI **data management service** with Airbyte ingestion on **AWS EKS**.

ACHIEVEMENTS & CERTIFICATIONS

- **Finalist** — HACKIITK 2026, IIT Kanpur: top 0.4% of 1,300+ teams | **Top 15%** — TryHackMe
- **Open Learning — Migrating from the Cisco CCNA to the JNCIA-Junos**, HPE Networking Education Services (Sep 2026)