

Lakshay Choudhary

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EDUCATION

- **Lovely Professional University**, Punjab Aug 2022 – May 2026
B.Tech in Computer Science and Engineering
- **Birla Modern High School**, Jaipur Apr 2022
HSC and SSC

EXPERIENCE

- **Backend Development Intern**, PrintSaathi Feb 2025 – Apr 2025
 - Migrated from MongoDB to PostgreSQL with Prisma ORM, enforcing strict schema validation.
 - Reduced API latency by caching hot data and optimizing SQL queries.
 - Built a Redis-backed BullMQ queue for async tasks and email delivery.
 - Refactored REST APIs for improved performance and stability.

CERTIFICATIONS AND EXPERIENCES

- **Azure Administrator Associate (AZ-104)**
Microsoft Certified — Issued: Apr 27, 2025 — Credential ID: DA8FC08EA9CBA32B — [Verify here](#)
- **Web3 Hackathon Winner**, Block se Block Web3 Hackathon by ICP Hub 2025
Awarded 1st place and \$500 among 200+ participants for SoundPrint.
- **Core Team Member**, Google Developer Student Club (GDSC), LPU 2022 – 2024
Organized GDSC WoW events; led logistics, coordination, and cross-team collaboration. Mentored peers in Web Development and Linux.

PROJECTS

- **SoundPrint** — *React, TS, Tailwind, Spotify Web API, ICP, Internet Identity* Mar 2025
 - Transformed Spotify listening history into unique waveforms and enabled NFT minting on ICP.
 - Integrated Spotify Web API for real-time data and Internet Identity for passwordless Web3 auth.
 - Built responsive, modular frontend; deployed at soundprint.icp0.io.
 - Won 1st place at the Block se Block Web3 hackathon (200+ participants) and was awarded \$500.
- **Video Transcoding Pipeline** — *Node.js, Docker, EC2, S3, SQS* Nov 2024
 - Engineered cost-efficient transcoding on EC2 to reduce infra spend versus ECS.
 - Leveraged SQS and ECR for job orchestration; designed dynamic FFmpeg presets.
 - Secured uploads with S3 presigned URLs and custom UI integration.
- **NixOS Configuration** — *Nix, GitHub Actions* Mar 2024 – Present
 - Maintains reproducible NixOS setup using flakes and Home Manager.
 - Configured Btrfs + Disko for snapshots and rollback; automated CI on builds.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Bash, Python, C/C++, Nix
- **Web:** Node.js, Express, Next.js, React, Prisma, BullMQ
- **DevOps:** Docker, GitHub Actions, CI/CD, Linux Administration
- **Cloud:** AWS (EC2, S3, SQS, ECR), Vercel
- **Dev Tools:** Linux, SSH, Git, Docker, Kubernetes, Termius, Postman, Vercel, Cloudflare