Lovekesh Anand

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Technical Skills

Languages: JavaScript, Python, C, Bash, HTML, CSS
Backend: Node.js, Express.js, FastAPI, REST API design, JWT auth, RBAC, Prisma ORM
Frontend: React.js, Next.js, Vite, Tailwind CSS
Databases: MongoDB (Mongoose), PostgreSQL, SQLite
Data Structure and Algorithm
Cloud & DevOps: AWS EC2, VPC, AMI, Security Groups, **Jenkins (CI/CD)**, PM2, Linux server administration
Networking & Security: OpenVPN, DNS routing, API security, token-based authentication, vulnerability patching, hosts file management
Tools & Ops: Git, GitHub, Postman, Railway, Render, Cloudinary, WebSockets, log inspection, performance monitoring, system troubleshooting

Experience

Information Technology Intern Dec 2025 – Present
***EaseInfra**, In-office*

- Manage **AWS EC2** instances, AMIs, VPC configurations, and security groups across staging and production environments.
- Configure and troubleshoot **OpenVPN**-based secure internal access for restricted APIs and admin panels.
- Deploy and monitor **Node.js** applications with **PM2** using environment-specific configurations and logging.
- Set up **CI/CD** automation with **Jenkins** pipelines for controlled frontend and backend releases.
- Handle **production debugging** including port conflicts, DNS issues, reverse proxy failures, crashes, and performance regressions.

Selected Projects

NyayaAI – Indian Legal Intelligence Platform 2026
NyayaAI Repository

- **Privacy-first, self-hosted AI platform** for Indian court document drafting that runs entirely offline with no external data transfer.
- Workflows for bail applications, criminal complaints, and civil suits aligned with Indian legal practice (**BNS**, **BNSS**, **BSA**, IPC-to-BNS mapping).
- OCR ingestion pipeline using **PyMuPDF** with **Tesseract** fallback and checks for procedural defects, missing prayers, and citation issues.
- Tech stack: **Python**, **FastAPI**, **React.js**, Vite, Tailwind CSS, **SQLite**, PyMuPDF, Tesseract OCR, ReportLab, **llama.cpp**.

Epsilon IDE – Local AI Coding Engine (V2) 2025–2026
Epsilon IDE Repository

- Local three-tier AI coding engine routing prompts to 1.5B/7B/33B models by complexity (1–10).
- Six-agent pipeline with TF-IDF + sqlite-vec code search for context retrieval.
- Optimized GPU inference (flash attention, INT8 KV cache, sparse top-64) to 30–80 tok/s.

Achievements

- **1st, Automate India Hackathon** (Microsoft Office, Noida): Notion Track winner with **Kairos**. Project
- **2nd, Matrix 3.0 Hackathon** (IITM Janakpuri, Delhi): Built **NyayaAI**, an AI legal intelligence platform. Project
- **2nd, SLAB Hackathon** (MAIT): Built **StockSentinel**, a human-in-the-loop financial intelligence system. Project

Education

Bachelor of Technology in Computer Science Aug 2023 – May 2027
Maharishi Dayanand University, Rohtak, Haryana
Senior Secondary Schooling (10th & 12th, CBSE) Completed May 2023
Andhra Education Society Sr. Sec. School, Prasad Nagar, Delhi