

Lakshya Asthana

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EXPERIENCE

Nirvotech IT Consultant | Lucknow, INDIA (Remote) Jun 2025 — Present

Software Engineer – Full-Stack Jun 2025 — Present

Freelance Developer Apr 2025 — present

- Built a role-based **multi-tiered task management** platform with **JWT**, **RBAC**, and **audit logs**, improving organizational task delegation and transparency.
- Integrated **real-time collaboration tools (WebRTC/Jitsi, SMTP notifications, Socket.IO)** enabling video conferencing, in-app alerts, and secure team communication.
- Developed **Kanban-based drag-and-drop task boards**, hierarchical user creation, and analytics dashboards, enhancing team performance tracking and productivity.
- Architected full **multi-tenant SaaS infrastructure**, ensuring isolated data access, role hierarchies, and permission-based views across departments.
- Automated email pipelines using **Node mailer + SMTP APIs** for transactional alerts, reminders, and task updates, reducing communication delays and user churn.
- **Links** — [Multi-Tier Task Delegation Engine](#) , [Smart Fashion Rental System](#)

PROJECTS

AI-image-enhancer [GitHub](#)

- Developed a React-based AI image enhancement tool leveraging **Tech HK API** with Axios for asynchronous requests, improving user image quality through deep learning models.
- Implemented **automated polling logic** using custom retry mechanisms, dynamic task tracking, and API error handling to ensure reliable and fault-tolerant image processing.
- **Technologies Used** — React-JS, Axios, Form Data API, Rest API, Browser API's

Cloud-Wardrobe [GitHub](#)

- Built scalable fashion platform with rental, purchase features.
- Designed dashboards with role-based access control logic.
- Implemented CMS, booking calendar, and rental workflows.
- **Technologies Used** — Next-JS, My SQL, PHP, RBAC, SMTP, Razor pay API

EDUCATION

2023 - 2027 **SRMCEM, Lucknow** — B. Tech, CSE with specialization in Data Science 7.0/10

2020 - 2022 **Lucknow Public School, CBSE** — Class XII 70%

ACHIEVEMENTS

- 2025 **Led RVP Robo Vamp to IIT wins via technical strategy leadership.**
- Oct 2025 **Completed job simulations at AWS, BCG, Accenture, Deloitte, Electronic Arts**

SKILLS

Languages — Typescript, JavaScript, Java, C++, MySQL
Web Technologies — Node.JS, React.JS, Next.JS, Express.JS, Shad CN/UI, Tailwind CSS, Zod
Data Structures and Algorithms — Solved 200+ problems on platform like [Leetcode](#)
Other — Git, GitHub, Linux, System Design
Software Architecture — Hexagonal Architecture, DDD

VOLUNTEER WORK

Team Lead (RVP Robovamp) – SRMCEM, Lucknow

Team Lead Position (September 2024 - Present)

- Led robotics team; won RC events at **IIT Bombay International Techfest**.
- Organized workshops, optimized RC models, collaborated on technical strategy.