

Ashish Pal

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Education

Noida Institute of Engineering and Technology
B.Tech (Computer Science and Engineering)

Nov 2022 - June 2026
Greater Noida, UP

Skills

• DSA • Operating Systems • OOPS Concepts • Web Development • Communication • UI/UX Designing • Computer Networks • API Development • Docker and Containerization • Linux • Version Control

Experience

Springer Capital, Chicago

DevOps Intern - Aug 2025 - Jan 2026

- Collaborating with the backend team to build and deliver client-focused solutions.
- Researching and implementing DevOps best practices across infrastructure and deployment workflows.
- Setting up and testing monitoring stacks using **Grafana** and **Alloy**.
- Evaluating load balancers (**NGINX Proxy vs HAProxy**) for performance and scalability.
- Working with **Redis** for caching and performance optimization.
- Containerizing applications to streamline deployment and environment management.

Projects

GraminStore

- A web app offering quick commerce for consumers with a "pay later" feature, while also empowering merchants to manage customers, books, and inventory efficiently.
- React, Fastapi, WebSockets, Postgresql, Docker, SqlAdmin.

Safe Query Ai

- This integration enables analytical decision-making and dashboard creation directly from database tables, using natural language queries to protect live data from accidental manipulation. Features include access levels, administrative approval, query approval for unauthorized users, and AI agents verifying data safety.
- FastApi, SqlAdmin, Postgresql, React, NodeJs.

Bot-Web

- Established an automated Docker deployment framework with FastAPI, enabling secure API calls for updates; this project improved deployment reliability, achieving a **99.9%** uptime for critical applications and ensuring business continuity.
- Built a **React.js + FastAPI Docker container monitoring web app** with real-time controls (start/stop containers, view logs) accessible securely over Cloudflare Tunnel, eliminating the need for SSH or direct server access.

Self-Hosted Homelab

- Personal home server setup using Proxmox, Docker, and Jellyfin with SMB-mounted storage for self-hosted media streaming and VM orchestration.
- Proxmox · Docker · Samba · Jellyfin · Linux · SSH

Technologies

Languages: Python, Java, JavaScript, SQL, HTML, CSS

Tools & Frameworks: Flask, FastAPI, ReactJS, SQLite, MySQL, Jinja2, Docker, DockerHub, Git, GitHub, Postman, Android Studio, Proxmox, Figma, langchain, Qdrant, AI Skills.

Other: REST APIs, Linux, Firebase, Gmail API (OAuth), SMB, SSH, UI/UX Design, Exception Handling, AWS

Awards & Certifications:

- **2x Competition winner:** Web Showdown & Web Wizard.
- **Python** – HackerRank *Credential ID: 5d8ec24ff9f5*
- **Java** – HackerRank *Credential ID: 187bb630d65f*
- **Google Cloud Computing Foundations** - Google Cloud 3ccb500d-06fd-46de-b053-011192147245

Leadership & Contributions:

- **Speaker**, *Deployment Workshop using Docker & Render* – NIET Campus.
- **Organised** 5+ events including Ted talks, webinars, Coding and fun events - NIET Campus.
- **Certificate of Recognition**, *BharatXR* – For successfully managing a tech event
- **Technical Head**, Ekume Club – NIET (2024–Present).