

Abhinav Ranjan Sulabh

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Summary

Computer Science engineer from **NIT Patna** (CGPA **9.72/10**) with production experience at **Oracle** in **backend development**, **cloud infrastructure**, and **DevOps**. Proficient in **Java**, **Python**, **Kubernetes**, **Docker**, **REST APIs**, and **microservices**. Seeking **SDE-1** and **Software Engineer** roles.

Education

National Institute of Technology, Patna

Bachelor of Technology in Computer Science and Engineering (CGPA: **9.72/10**)

Aug 2022 – May 2026

Bihar, India

Experience

Oracle

Intern – Cloud Infrastructure and DevOps (Cloud Native SBC)

Jan 2026 – Present

Gurugram, India

- Developed XML automation scripts for CLI and proxy path generation using recursive parsing and schema validation, eliminating **40%** of manual configurations.
- Configured **KEDA**-driven autoscaling on **Kubernetes** clusters alongside **Prometheus** and **Thanos** monitoring, reducing idle resource consumption by **25%**.
- Enhanced core CLI tooling architecture by **integrating** robust input sanitization, defensive error handling and modular certificate provisioning components for multi-environment deployments.

IIT Ropar

Software Development Intern – Full Stack

May 2025 – Jul 2025

Remote

- Built a collaborative filtering recommendation system leveraging **Python** and **REST APIs**, serving **300+ students** while boosting engagement by **15%** and lowering drop-off by **20%**.
- Engineered a distributed backend featuring **JWT** authentication and role-based access control on **Linux**, achieving **99.9%** uptime and **30%** faster ticket resolution.
- Led development of RESTful admin modules for course analytics and user management, streamlining instructor workflows across **5+ departments**.

Skills

- Languages:** Java, Python, JavaScript, C, SQL, XML, Bash
- Core Concepts:** Data Structures, Algorithms, OOP, DBMS, Operating Systems, System Design
- Backend:** REST APIs, Microservices, Node.js, Express.js, FastAPI, JDBC, Multi-threading
- Databases:** MySQL, MongoDB
- DevOps and Cloud:** Kubernetes, Docker, Helm, KEDA, Prometheus, Thanos, CI/CD, Linux, Git
- Frontend:** React, HTML, CSS, Tailwind CSS

Projects

Privacy-Preserving Federated NIDS (Fed-IIDS), [github/Fed_IIDS](#)

Aug 2025 - Dec 2025

- Architected a decentralized **Python** Federated Learning pipeline using Flower to orchestrate model aggregation across edge nodes, training on non-IID data without transmitting raw traffic.
- Implemented a custom **DP-SGD** training loop featuring adaptive gradient clipping and noise injection, achieving **91.03%** accuracy within 1.9% of centralized baselines.

Core Banking Engine, [github/Banking-System](#)

Jan 2025 - Oct 2025

- Designed a modular banking engine processing **10K+ transactions daily** through multi-threaded, asynchronous queue-backed execution and **JWT**-secured backend endpoints.
- Integrated a pluggable persistence layer using **JDBC**, an **SQL** migration runner, and dynamic caching, reducing query latency by **35%**.
- Containerized the entire application via **Docker Compose** alongside **MySQL**, ensuring parity between local and staging setups.

Awards and Achievements

- LeetCode Knight (Top 5.5% Globally):** Achieved a peak rating of 1864 [leetcode/rajabhi90](#)
- CodeChef (Rating 1736):** Ranked 87th in Challenge 197 and 231st in Challenge 186 [codechef/rajabhi90](#)
- JPMorgan Chase Code for Good 2025** [jpmc/certificate](#)
Launched full-stack **NGO platform** featuring patient tracking, staff attendance, care allocation, and SMS alerts.
- USACO Guide Contributor:** Contributed Java solutions to official competitive programming guide [github/usaco](#)
- NTSE Scholar:** Awarded national scholarship for top academic talent 2020 - Present