

# ADITYA NARAYAN JAISWAL

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## EDUCATION

**Indian Institute of Information Technology (IIIT), Bhopal**  
B.Tech. Computer Science Engineering | Grade: 7.88/10  
(Computer Networks, DBMS, Operating systems, DSA, OOPs, System Design)

Bhopal, M.P.  
December 2020 - May 2024

## PROFESSIONAL EXPERIENCE

**INNOVATIVIEW INDIA LTD.**

April 2025 - Present

SDE / Noida

CamView — Distributed Backend System (Java + Spring Boot)

- Engineered HostMLAgent, a distributed backend system for real-time processing of RTSP camera streams using a dual-service architecture (Spring Boot + Python).
- Built backend modules for camera allocation, shift-based scheduling, alarm aggregation, ML detection ingestion, health checks, and workload management.
- Implemented a robust Java ↔ Python inter-service communication layer with request orchestration, retries, structured payloads, and typed APIs.
- Optimized backend performance (reduced API latency by ~30%) using JPA batching, caching strategies, async handlers, and WebClient-based integrations.
- Deployed and monitored the system using AWS EC2, ASG, IAM, CloudWatch, and CDK-based IaC with automated CI/CD pipelines.

VoIP Communication Platform — Spring Boot Backend

- Built backend features for a secure communication platform including session handling, call metadata tracking, authentication, and event processing.
- Designed REST APIs for internal dashboards to visualize call flow events, usage metrics, and device activity
- Implemented backend logic for notification, permissions, and role-based access, improving system reliability.
- Implemented production-grade CI/CD with GitHub Actions → CodeDeploy → EC2, including lifecycle hooks, health checks, auto-rollback, and log pipelines.

**PESERIES NETWORK PVT. LTD. (Staype)**

July 2024 - March 2025

SDE / Bangalore (Remote)

- Improved backend-driven app performance by optimizing API interactions, pagination logic, high-traffic data flows.
- Implemented backend-driven recommendation logic and optimized API workflows, improving data fetch reliability for high-traffic user segments such as property & lead.
- Built subdomain provisioning workflows and contributed to FCM-based platform notifications.

**AURA IT SOLUTIONS PVT. LTD.**

Feb 2023 - June 2023

SDE Intern / Remote

- Migrated legacy systems to modern API-driven architecture, improving backend–frontend integration performance.
- Created documentation and standardized API usage patterns to reduce integration issues across teams.

## PROJECTS

**WHEREHOUSE.IO**

Feb 2024

GitHub | Live

- Completed a challenging internship assignment, developing a full-stack web application using React and Chakra UI for the front end, Node.js and Express for the back end, and Google Sheets.
- Architected and integrated data synchronisation functionalities with Google Cloud Platform’s Sheet API, enhancing data accuracy and reducing manual data entry time for improved operational efficiency.
- Successfully deployed application and managed data storage in Google Sheets.

**URL SHORTENER**

Oct 2023

GitHub

- Implements a robust URL shortening mechanism, enabling the conversion of lengthy URLs into concise, user-friendly short links. Handles over 100+ shortening requests per minute
- Implemented a robust rate-limiting system, ensuring fair usage and preventing abuse. Maintained system stability and utilised Redis for an improvement in response time.

## SKILLS

Backend:	Java, Spring Boot, REST APIs, Microservices, JPA/Hibernate, Redis
Cloud & DevOps:	AWS (EC2, ASG, S3, IAM, VPC, SSM, CloudWatch), AWS CDK (IaC), CodeDeploy, Load Balancing, CI/CD (GitHub Actions)
Infra & Platform:	Linux, Docker, System Design, Performance Optimization, Monitoring & Logging
Databases:	PostgreSQL, MySQL, DynamoDB, Redis
Other:	Python (service integrations), OpenAPI/Swagger, API Clients, LLMs
Soft Skills:	Problem-solving, Leadership, Collaboration, Communication

## POSITION OF RESPONSIBILITY

- As co-founder of Arunoday Club at IIIT Bhopal, promoted education equity, organised cultural events, and successfully conducted a blood donation camp with 100+ participants.
- Led E-Cell, IIIT Bhopal, as Coordinator for the 2023-24 session.