

# Manya Jain

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## SKILLS

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**Languages:** Java, Python, C/C++, Go, Bash

**Software Engineering:** OOP, DSA, REST APIs, microservices, testing, debugging

**Systems/Infra:** Docker, Kubernetes (K3s/K3d), Jenkins CI/CD, Linux internals

**Cloud/Monitoring:** AWS, Prometheus, Grafana, Nginx, OAuth2-Proxy

**Databases:** PostgreSQL, MySQL, Redis, Neo4j

**Web/UI:** JavaScript, HTML/CSS, basic React

**AI/ML:** PyTorch, TensorFlow, embeddings, RAG pipelines

## EXPERIENCE

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### • National Institute of Urban Affairs (NIUA)

*Software & DevOps Intern* Delhi, India

Aug 2024 – May 2025

- Built and deployed microservices using Docker and K3s; automated builds and rollouts with Jenkins CI/CD.
- Debugged distributed failures including container crashes, DB timeouts, and networking issues.
- Developed monitoring dashboards with Prometheus–Grafana for latency, throughput, and error visualization.
- Implemented secure access workflows using OAuth2-Proxy and SSO integrations.

### • Smart Cities Mission

*Software & Data Engineering Intern* Delhi, India

Dec 2023 – Feb 2024

- Engineered ETL pipelines; resolved schema drift, ingestion failures, and caching inconsistencies.
- Built dashboards for 100+ administrators by optimizing SQL queries and data transformation logic.

### • Siemens Healthineers

*Software Intern — Digital Workflows* Delhi, India

May 2023 – Jul 2023

- Investigated runtime failures, race conditions, and sync issues in SafetyCulture workflows.
- Improved reporting accuracy by fixing data-handling logic and optimizing workflow execution.

## PROJECTS

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• **UPYOG Cloud Platform:** Containerized a multi-service architecture; automated deployments and resolved Redis, PostgreSQL, and WildFly integration issues.

• **ICCC City Dashboard Backend:** Debugged PHP–MySQL backend failures, optimized slow SQL, and fixed API-level request handling issues.

• **HireMate AI Assistant:** Built Python + Neo4j RAG system; optimized embedding search, batching, and retrieval latency.

## EDUCATION

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### • Arizona State University

*MS, Computer Science* Tempe, AZ

2025 – Present

### • Manipal University Jaipur

*BTech, Computer Science* Jaipur, India

2021 – 2025