Manya Jain

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Portfolio

SKILLS

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

- **National Institute of Urban Affairs (NIUA)** — Delhi, India
  Software & DevOps Intern — 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** — Delhi, India
  Software & Data Engineering Intern — 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** — Delhi, India
  Software Intern — Digital Workflows — 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

- **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

- **Arizona State University** — Tempe, AZ
  MS, Computer Science — 2025 – Present

- **Manipal University Jaipur** — Jaipur, India
  BTech, Computer Science — 2021 – 2025