

Manya Jain

+91 9205915750

manyajainrkm@gmail.com

<https://manyajainrkm.github.io/Portfolio/>

EDUCATION

- Arizona State University Tempe** **Tempe, USA**
Master's of Science in Computer Science(1st Year) (2025 – Ongoing)
- Manipal University** **Jaipur, Rajasthan**
Bachelors in Technology, CSE Core(4th Year) (2021 – 2025)
- Sanskriti School, New Delhi** **Chanakya Puri, New Delhi**
(12th → 2021) (10th → 2019)

TECHNICAL & ADMINISTRATIVE SKILLS

- Microsoft Excel and Word, Adobe Acrobat, Tableau, ERA (Enterprise Research Administration) system (familiarity through related workflows), Google Workspace, Organizational and time management, Python, C, Git/GitHub, Docker, Kubernetes, CI/CD with Jenkins, Linux and Windows terminal commands, AWS & Azure fundamentals, Cloud documentation, Event coordination support, Research documentation, Infographic and dashboard design, Data handling and documentation, Email triage and inbox management.
- Infrastructure as code: Automating infrastructure provisioning and management using Terraform, Ansible, Puppet, AWS, Azure, Google Cloud: Experience working with major cloud providers and managing cloud resources, Docker: Containerization, creating, managing, and deploying containers, optimizing Docker images.
- Kubernetes: Container orchestration, including deploying, scaling, and managing containerized applications, configuring clusters, automating workflows using Helm charts and Kubernetes Operators., AWS IAM.
- Handling terminal commands on both Linux and Windows environments, with proficiency in shell scripting (Bash) for Linux and PowerShell for Windows, enabling efficient system administration, automation, and troubleshooting. Data Visualization using Tableau, Excel: Dashboard-making, Data, Signal, Image analysis with MATLAB, Infographics Designing (Project-Centered Course).

WORK EXPERIENCE

National Institute of Urban Affairs

Ministry of Housing and Urban Affairs, Govt. of India

Delhi

DevOps Intern

(Aug 2024 - Present)

- Leading deployment and monitoring efforts for the Urban Digital Mission platform, focusing on reliable, secure, and scalable urban service delivery across Indian cities.
- Managing containerized microservices using Docker and orchestrating Kubernetes clusters (K3s), ensuring optimal performance and resource efficiency.
- Automating CI/CD pipelines with Jenkins for seamless build, test, and deployment of applications, integrating with GitHub repositories and Docker registries.
- Setting up and configuring observability tools like Prometheus and Grafana for cluster-wide monitoring, alerting, and performance visualization.
- Implemented OAuth2-proxy to secure access to monitoring dashboards, aligning with organization-wide SSO authentication standards.

Indian Urban Observatory, Smart Cities Mission

Ministry of Housing and Urban Affairs, Govt. of India

Delhi

Data Analytics Intern

(Dec 2023 – Feb 2024)

- Internship at the Indian Urban Observatory (IUO) for the Smart Cities Mission under The Urban Learning Internship Program(TULIP), Ministry of Housing and Urban Affairs, GOI: Creation of data visuals, dashboards, and stories using the AMPLIFI 2.0 Portal Data using the Tableau Public and learning about the new updates of Data Visualization.
- Studying various platforms containing data from all over the country that are being used for various Smart City Projects: IUDX(India Urban Data Exchange), Open Data Portal, IUO(Indian Urban Observatory), AMPLIFI, IC(Integrated Command and Control Centre), Presentation prepared for the dashboards on (i) Drop-out rates of students from grade 8 to 10 in the six zones of India(North, South, West, East, Central, Northeast); model 2023

Siemens Ltd., DLF Cyber City

Delhi

Trainee/Intern

(May 2023 – July 2023)

- Internship at Siemens Healthineers, Cyber City, Management and categorization of the inspection templates of each user provided by the SafetyCulture App (formerly known as iAuditor), an app that supplies templates for distinct types of tasks like Project Management, event planning, Healthcare Appliances, etc.

RESEARCH WORK AND CERTIFICATIONS

Research:

- Minor project on “Feature Selection using Gravitational Search Optimization on the Heart Disease Microarray Dataset”
- Co-author on research paper to be published – “Analysis and Mathematical Models of AI and its Legal Boundaries”
- Completed making ChatBot in a hands-on workshop on IoT organized by the University
- Credited for dashboard presentation for PAN India Analysis at the Indian Urban Observatory during internship period at the Ministry of Housing and Urban Affairs

Volunteer work

- Delhi Heritage Rotary Club - Green Campaign
- NDMC - Mass distribution of Covid masks
- Organizing Committee, Techideate (Tech Fest of Manipal University Jaipur)
- Co-Coordinator of the ICCT Summit (Intelligent Communication and Computational Techniques) organized by IEEE “Blood Donation Camp” – organized by the Rotaract Club: Executive Committee
- Organizing Committee: “Industry Consultation,” National Institute of Urban Affairs, India Habitat Centre

Remote Certifications

- Introduction to Software Engineering – IBM
- Introduction to Data, Signal, and Image Analysis with MATLAB – Vanderbilt University
- Enterprise-Grade AI – IBM SkillsBuild
- Fundamentals of Visualization with Tableau – University of California, Davis
- Pixel Art for Video Games – Michigan State University