

Anjali Srivastava

602-637-8039 | asriva86@asu.edu | [linkedin.com/in/anjalisrivastava](https://www.linkedin.com/in/anjalisrivastava)

TECHNICAL SKILLS

Languages and Frameworks: Python, ReactJS, JavaScript, Bash, YAML, HTML, CSS, Java, SQL, Typescript, C

Cloud and CI/CD Tools: AWS, Docker, Kubernetes, Openshift, ArgoCD, Jenkins, Terraform, Travis, Kafka, VMWare

Databases, Tools, and OS: MySQL, MongoDB, PostgreSQL, Git, Jira, Redhat Linux, MacOS, Linux/Unix, Windows

Certifications: AWS Certified Solutions Architect - Associate, Cloud Practitioner, IBM Certified Cloud Solution Advisor

EXPERIENCE

Software Engineer Intern

06/2023 – 04/2024

FOX Corporation | Python, AWS, Docker, Streamlit, HTML, CSS, Tensorflow, Netbox

Tempe, AZ

- Optimized and automated broadcast signal routing tools and APIs with Python Tensorflow and AWS Sagemaker in the Broadcast Engineering team.
- Designed and deployed recommendation algorithms using TFIDF Vectorizer and Two Tower Neural Network enhancing content retrieval and ranking on the FOX Nation platform by 30%, resulting in a 20% increase in user engagement.
- Developed a dynamic web UI with data visualizations using Streamlit, AWS Lambda, S3, and EC2 to streamline Nation content collection, cutting person hours by 70%, and accelerating delivery.

Cloud Developer Associate

09/2022 – 05/2024

AWS Cloud Innovation Center at ASU | AWS, AI, ReactJS, Typescript, CloudFormation, CDK

Tempe, AZ

- Implemented a RAG-based health misinformation detection solution using React Typescript, Amazon OpenSearch, AWS CDK, APIGateway, and Comprehend, in collaboration with UC Davis Health. | [Article](#) | [Backend Code](#) | [Frontend Code](#)
- Prototyped a healthcare access solution using ReactJS and AWS with CDK for the Maricopa Association of Governments.
- Facilitated multilingual search on Amazon Kendra Search UI tool using ReactJS, AWS Comprehend, and Translate. | [Code](#)

Software Engineer

07/2020 – 07/2022

IBM Software Labs | Python, Kubernetes, CI/CD, Bash, ArgoCD, Jenkins, YAML, RedHat, MongoDB

Bangalore, India

- Led the development and automation of end-to-end test and monitoring framework for Watsonx Orchestrate using Python, Selenium, IBM Cloud, and AWS, slashing testing time by 50% and ensuring uptime meets SLOs.
- Set up Watsonx Orchestrate's CI/CD framework using ArgoCD and YAML scripting for Kubernetes clusters, resulting in a 40% reduction in deployment time and a 15% increase in release frequency, recognized with the QCAP Growth Award.
- Automated system performance and non-functional tests using JMeter for Cloud Paks on RedHat Openshift. Conducted footprint analysis with Prometheus and Grafana dashboards, improving resource allocation and optimization by 25%.
- Wrote 10+ test suites with 20+ test cases using Pytest, and Jenkins and achieved 99% functional test automation while working in the Cloud Pak System team.
- Mentored junior developers in Kubernetes and VMware platform testing, honing Agile project management skills.
- Developed the firewall and NAT rule creation functionality for the PureApplication Service environment using Java in the Cloud Pak System DevOps team. Additionally, contributed to the development of REST APIs.

EDUCATION

Master of Science in Computer Science

08/2022 – 05/2024

Arizona State University | Tempe, AZ, USA

GPA: 4.0/4.0

Courses - Foundation of Algorithms, Software Verification and Testing, Data Mining, Data Visualization

Bachelor of Technology in Computer Science and Engineering

07/2016 – 07/2020

Indian Institute of Information Technology, Design and Manufacturing | Jabalpur, MP, India

ACADEMIC PROJECTS

Guardian Angel | *Java, Kotlin, MongoDB, Git*

09/2023 – 11/2023

- Designed an innovative Android app utilizing real-time data (vital signs, location, weather, and reproductive health) to deliver personalized well-being recommendations.
- Created a user-friendly interface using Material-UI, seamlessly integrating with a smartwatch via REST APIs.

Data Visualization – Crowdsourcing for Situational Awareness | *ReactJS, D3.js, HTML/CSS*

01/2023 – 04/2023

- Built an interactive visual analytics system to display the extent of damage and aid emergency responders in determining the requirement of resources in an earthquake-hit city..