**SAKSHI KHANAPURE**
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**SUMMARY :**DevOps Engineer with 2 years of experience in automating mission-critical applications, specializing in cloud-native development, container orchestration, infrastructure management and skilled in Python-driven automation.

## ACADEMIC QUALIFICATION

University of Texas, Arlington (GPA- 3.60) — January 2024 - Present
Savitribai Phule Pune University (CGPA- 8.26) — June 2022

## TECHNICAL SKILLS

- **DevOps & Cloud:** Jenkins, Docker, Kubernetes (EKS), Terraform, Ansible, AWS
- **Programming & Scripting:** Python, Bash, Java, C, C++
- **Monitoring & Version Control:** Prometheus, Grafana, Splunk, Git, GitHub
- **Web & Databases:** HTML5, CSS, JavaScript, MySQL, Oracle, MongoDB
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows

## EXPERIENCE

**Elata Technologies - Jr. Devops Engineer** — **August 2022 - November 2023**

- Managed Docker containers and deployed applications on Kubernetes (EKS), ensuring scalable infrastructure through automated pipelines.
- Developed Python-based automation tools and managed Linux servers with Ansible, enhancing system security and operational efficiency.
- Implemented real-time monitoring with Prometheus and Grafana, optimizing performance tracking and proactive issue resolution.
- Utilized Infrastructure as Code to automate cloud resource provisioning on AWS integrating Terraform for consistent environment setups.

**Elata Technologies - Software Engineer Intern** — **September 2019 - March 2020**

- Developed dynamic web application using AngularJS, HTML5, and CSS, focusing on enhancing user experience and interface design.
- Managed source code using Git, ensuring proper versioning and collaboration across development teams.
- Assisted in designing database schemas and wrote SQL queries to support application functionality, ensuring efficient data storage and retrieval.
- Automated routine tasks and refined deployment processes using Bash, Python, and shell scripts on Linux, ensuring consistency and timely delivery within an Agile framework.

## PROJECTS AND RESEARCH

- **Dynamic Data Query and Management Platform** - Developed a Python-based application with MongoDB to enable real-time data operations including complex querying, filtering, and modification. Designed flexible algorithms for handling user-defined criteria, such as population ranges and state codes, and used MongoDB for efficient data storage and retrieval, supporting advanced operations like batch updates, dynamic record manipulation, and live data processing.
- **Automated MLOps for Real-Time Applications -** This paper introduces a scalable MLOps platform on AWS, using Kubernetes and CUDA-enabled GPUs to power real-time applications like LLM training. With Kubeflow automating everything from data prep to model deployment, integrating PyTorch models for seamless transitions between data processing, training, and inference, ensuring efficient execution.
- **AWS-Based Cloud Networking and Automation** - As a team lead in Cloud Computing project, I architected the development of a cloud-native solution on AWS. Worked on design and configuration of VPCs, subnets, and security groups for secure networking of EC2 instances. Optimized performance using Elastic Load Balancers and Auto Scaling. Used Terraform automation for AWS provisioning, integrating S3 and Route 53 to build a scalable and resilient architecture.