

Aditya Srinivas Konda

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PROFESSIONAL SUMMARY

Proactive and results-oriented Junior DevOps Engineer enthusiast with proven experience in building end-to-end CI/CD pipelines using Jenkins, Docker, and AWS. Skilled in automation, containerization, and infrastructure management. Demonstrated ability to troubleshoot complex system issues, from dependency conflicts to server memory limitations. Seeking a Junior DevOps Engineer role to contribute to building and maintaining scalable and reliable systems.

KEY SKILLS

Cloud & Containerization

- AWS (EC2, EBS, Security Groups), Docker

CI/CD & Automation

- Jenkins, Git, GitHub, GitLab, Basics of Terraform & Ansible

Scripting & Programming

- Python, Bash, Java, SQL

Operating Systems & Networking

- Linux (Ubuntu), Windows, TCP/IP, DNS, HTTP, Firewalls, IAM

Developer Tools

- VS Code, Postman, Maven, Nginx, MySQL, Cursor, Trae, Android Studio

Software Testing & Automation:

- Familiar with Automation Testing basics and used Java, Selenium, Maven and TestNG
- Proficient in Manual Testing like Test cases, Chirp stack, Postman API, Hardware Firmware Flashing, Sanity Testing, Functional Testing, STLC.

Soft Skills

- Strong problem-solving, analytical skills & Effective communication
- Team collaboration, time management & quick adaptability

PERSONAL PROJECTS

End-to-End CI/CD Pipeline for a Python Web Application | [GitHub Link](#)

Tools: Jenkins, Docker, AWS (EC2), Git, GitHub, Python, Flask, Linux (Ubuntu)

- Reducing manual deployment time to zero and establishing a framework for rapid, reliable feature releases using Jenkins to automatically build, test, and deploy a Dockerized Python Flask application to an AWS EC2 instance.
- Authored a declarative Jenkinsfile to manage the pipeline as code, integrating with GitHub via webhooks for automated builds on every code commit.
- Managed server configuration, including installing and securing Jenkins, Docker, and a Java 17 runtime on an Ubuntu server.

Automated CI/CD Pipeline for a React Portfolio Website | [GitHub Link](#) | [Live Link](#)

Tools: Jenkins, Docker (Multi-stage), AWS (EC2, EBS), Git, GitHub, React.js, Nginx

- Designed and implemented a second Jenkins pipeline to containerize a static React application with Nginx using a multi-stage Dockerfile, reducing final image size and improving security.
- Optimized the containerization process with a multi-stage Dockerfile, reducing the final image size by over 80% and enhancing security by removing build-time dependencies from the production image.
- Troubleshooted and resolved real-world infrastructure issues, including server memory limitations (JavaScript heap out of memory), disk space constraints (ENOSPC), and Git merge conflicts.

Web Automation Testing for IoT Device Provisioning – CWD Limited | [GitHub Link](#)

Tools: Java, Selenium, TestNG, Apache POI, ChromeDriver, POM XML

- Built an automation framework for user provisioning on a soundbox-based IoT system using Selenium WebDriver.
- Integrated Excel-driven test data and result logging, and implemented retry logic for handling duplicate user scenarios.
- Captured screenshots at every step, improving traceability and test documentation.

EDUCATION

Degree/Course	Institution/University	Year of passing	CGPA/Percentage
B.E. in Information Technology	K.C. College of Engineering, (University of Mumbai), Thane	2025	8.28 CGPA
H.S.C	Shivneri School & Junior College (CBSE) , Pune	2021	74.04%

ACHIEVEMENTS & ACTIVITIES

- Second Prize** in IETE-SF Technical Poster Making Competition.
- Top 10 Finalist** among 700+ teams in the Aavishkar Project Competition organized by Mumbai University.

Successfully developed a SHEild- Women Safety Application with IoT Device.

- Member of the Training and Placement Office (TPO) and Red Cross Committee in college.