

# Aditya Srinivas Konda

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## PROFESSIONAL SUMMARY

Proactive and results-oriented DevOps and Cloud 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, Terraform (Basic), Ansible (Basic), GitLab

### 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)

- Engineered a complete CI/CD pipeline 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.
- 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.