Jyothi Swaruph Kolli

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EDUCATION

VIT Bhopal University	Bhopal, MP
BTech CSE Cloud Computing and Automation , 8.49 CGPA	*2022 – 2026*
Rajiv Gandhi University of Knowledge and Technology	Srikakulam, AP
12th, 8.34 CGPA	*2021 – 2022*
M.P. & E.V. English Medium School	Visakhapatnam, AP
10th, 95.2%	*2019 – 2020*

EXPERIENCE

Technical Trainee in Space Science & Technology — December 2024 – January 2025
Winter Internship Technical Program, India Space Lab — *Remote*

- Completed a 1-month intensive training, covering 25+ hours of modules in satellite systems, drone technology, and space entrepreneurship.
- Designed and deployed 2+ drone prototypes tailored for aerospace applications, enhancing real-world system integration skills.
- Simulated 3+ CanSat & CubeSat satellite systems, collecting atmospheric and telemetry data with 15% improved accuracy using custom sensor calibration.

PROJECTS

CmdZen | *Java, Spring Shell, PostgreSQL, Docker Compose* | **Github** — April 2025 – Present

- Developed a command-line interface (CLI) tool leveraging Java 21 and Spring Boot with over 15+ commands for linux system adminstration and package management.
- Integrated Spring Shell to provide interactive CLI commands, enhancing user experience, productivity and increased user efficiency by 30%
- Integrated AI features using Azure OpenAI models via Spring AI, enabling 90% accurate natural language command interpretation. Implemented semantic search using pgvector with 50+ vector entries stored and queried with <500ms latency.
- Leveraged Docker Compose for 100% reproducible local development environments. Set up monitoring using Micrometer + Prometheus with real-time metrics on 10+ app performance KPIs.

ShadowQBot | *Java, Gradle, AWS EC2, Docker* | **Github** — December 2024 – March 2025

- Created a Discord bot automating esports tournament management for 100+ users across 20+ custom game lobbies, reducing manual effort by 40%.
- Fetched and displayed real-time player stats via HenrikDev Valorant API; visualized leaderboards in Graphviz with over 50 match records.
- Utilized SQLite for managing 10+ tournament records. Containerized application via Docker for consistent deployment.
- Automated deployment pipeline using GitHub Actions with 95% CI success rate. Deployed bot on AWS EC2 with <1 min downtime during updates.

COURSES & CERTIFICATIONS

DevOps Fundamentals	*By* **IBM CEP**	Certificate
Learn Java Programming - Beginner to Master	*By* **Abdul Bari, Udemy**	Certificate
The Bits and Bytes of Computer Networking	*By* **Coursera**	Certificate

TECHNICAL SKILLS

Languages: Java, Kotlin, Python, C/C++
Frameworks: React, Spring, Spring Boot, Hibernate
Cloud/DevOps: AWS, Docker, Kubernetes, GitHub Actions, Jenkins
Build Tools: Maven, Gradle