Krishna Deshpande

Pune, Maharashtra, India | 8530517722 | kd721921@gmail.com | LinkedIn | GitHub

Education

Vellore Institute of Technology

B.Tech in Computer Science - 8.12 CGPA *2021 to 2025*

Projects

CineBucket | *Go, AWS, Terraform, Git, CI/CD*

- Co-developed a serverless, event-driven file-sharing platform in a team project using **Go**, **AWS**, API Gateway (HTTP API) and **Terraform** provisioning zero-persist cloud infrastructure with fully automated Infrastructure-as-Code deployment.
- Built a **Go CLI daemon** to scan, sync, and multipart-upload media files to **S3**, paired with a simple frontend hosted on GitHub Pages.
- Designed a secure model with least-privilege **IAM roles**, blocked public S3 access, **AES-256** (SSE-S3) encryption at rest, and time-limited S3 presigned URLs for secure, temporary file downloads.

TaskScheduler_TUI | *Go, Bubble Tea, Docker*

- Rewrote a Java-based desktop task scheduler as a high-performance terminal application using **Go**, **Bubble Tea TUI** framework and **Docker** for containerized deployment and reduced memory footprint.
- It's a responsive reminder and deadline-alert system that runs multiple background tasks at the same time without slowing down with an efficient, event-based timer approach.
- Containerized the application with **Docker** and implemented persistent JSON-based storage with atomic writes, ensuring task data survives restarts across both native and containerized environments.

AI-Football-Tracking | *Python, YOLO, ByteTrack, OpenCV*

- Built a program that tracks players, the referee, and the ball in football match videos, and shows their positions on a simple 2D map and an overlay on the video so coaches can study the game more easily. Won my university's award for the best final-year project.

Experience

Cognizant

Programmer Analyst (prev. Trainee; QEA Intern) *April 2025 to Present*

- Integrated **REST API and SOAP API** test suites directly into **Jenkins** for automated execution. Validated end-to-end CI pipelines for provisioning broadband infrastructure
- Test with very large amounts of practice data (over **3 million records**) and use **Docker** to create safe, separate testing spaces.
- Work closely with the team every day – sharing updates, fixing issues together, and planning work as a team using **Jira** and Agile methods.
- Started as an intern, completed hands-on technical training, and was promoted twice to Programmer Analyst – showing I learn quickly and take on more responsibility over time.

Certifications

DevOps Course – Covered DevOps, AWS and Linux (September 2026)

AWS Certified Cloud Practitioner – Amazon Web Services (June 2024)

Google Cloud Computing Foundations – Google (January 2024)

Technical Skills

Cloud & DevOps Tooling: AWS, Docker, Terraform, Ansible, Jenkins (CI/CD), Prometheus, Grafana, Git, GitHub
Languages: Go, Java, Python, SQL, JavaScript, HTML/CSS, JSON
Automation & Testing: Selenium, TestNG, Cucumber, Serenity BDD, SoapUI, Postman, JUnit, SWTBot, FlexTest, Apache POI
APIs & Data: REST & SOAP APIs, MongoDB, Supabase, Data Structures
Other: Machine Learning, Computer Vision, Scikit-Learn, Pandas, NumPy, Matplotlib, Jira, Excel