

N Shashi Kumar

Hyderabad | Ph: +91 7989265399 | Email: Shashinarmala29@gmail.com | [Github](#) | [Linkedin](#)

OBJECTIVE

Motivated and detail-oriented fresher aspiring to start a career as a DevOps Engineer. Eager to apply foundational knowledge of CI/CD, cloud platforms, Linux, and scripting to support efficient software delivery. Passionate about learning modern DevOps tools and practices to help teams build, deploy, and scale applications reliably

EDUCATION

Avanthi Institute of Engineering and Technology

Hyderabad

Bachelors in Computer Science Engineering – Data Science

SEP 2021 – 2025

- **Relevant Coursework:** Software Engineering , Machine Learning , Computer Networks , Database Management Systems , Cloud Computing, Data Mining .

EXPEREINCE

Junior DevOps Engineer – Contract

Feb 2025 – July 2025

Vtex.AI

Remote, India

- Developed robust automated testing pipelines using GitHub Actions, integrating SAST (Static Application Security Testing), UAT (User Acceptance Testing), and regression testing to maintain high code quality throughout the CI/CD process.
- Implemented Canary deployments with automated rollback mechanisms, ensuring zero-downtime releases and enabling safe, progressive feature rollouts using version tagging.
- Streamlined automated GitHub releases and semantic versioning across a multi-repository architecture, improving deployment traceability and collaboration.
- Designed and implemented a production-ready CI/CD pipeline using Jenkins to automate the build and deployment of a Python-based application on AWS ECS, reducing manual effort by over 90%.
- Built a fully containerized architecture with Docker and Amazon ECR, optimizing image size and ensuring consistent deployment across environments.
- Provisioned cloud infrastructure using Terraform, automating tasks such as ECS cluster setup, IAM role creation, networking, and CloudWatch log configuration—following Infrastructure as Code (IaC) best practices.
- Integrated CloudWatch Logs and ECS service monitoring, enhancing system observability and reducing issue resolution time by 70%.
- Achieved an 80% reduction in deployment time while maintaining zero downtime, significantly improving the release process and user experience.

[Kitikiplot](#)

March 2025

- Kitikiplot is a python open source library with more than 6K+ Installations and Recognized by FOSS
- Developed Python Unit test cases using Pytest Ensuring Code Quality
- Implemented a Automated Github Actions Pipelines for Automated Tests

PROJECTS

DocuMind – AI-Powered Document Q&A System

January 2025

- Developed a FastAPI-based backend that enables users to upload PDFs or text files, extract content, and perform intelligent question-answering using OpenAI GPT-4 and LangChain workflows.
- Integrated Pinecone for embedding storage and Supabase for metadata, automating document ingestion, chunking, and retrieval pipelines, resulting in a 60% improvement in contextual response accuracy.
- Containerized the backend using Docker and deployed it on Render with GitHub Actions–based CI/CD for seamless version control and scalability.

VoiceQuery – Voice-Driven Knowledge Assistant

November 2025

- Built an interactive AI assistant using FastAPI that combines OpenAI Whisper for speech-to-text, GPT-4 for reasoning, and ElevenLabs TTS for generating natural spoken responses.
- Integrated LangChain for contextual prompt flow management and Chroma DB for semantic vector storage, enabling low-latency conversational retrieval across voice queries.
- Deployed the complete pipeline on Render using Docker and implemented CI workflows for continuous delivery and version tracking.

TECHNICAL SKILLS

- **Languages:** Python, C++, js
- **Operating Systems:** Linux, Windows
- **Cloud Platforms:** AWS, AZURE
- **CI/CD Tools:** Jenkins, Github Actions
- **Container Orchestration:** Docker , Kubernetes
- **IAC:** Terraform