

Kundan Vyas

✉ kundanvyas197@gmail.com | 📞 +91-9351582228 | 🔗 linkedin | 🌐 Kundan547

Profile Summary

Innovative IT professional with deep expertise in backend development, cloud computing, and DevOps. Proficient in Python, Django, AWS, Docker and Devops tools. Experienced in architecting scalable systems and implementing robust, efficient CI/CD pipelines to drive high-performance application delivery.

Education

Medicaps University, Indore	Aug 2021 – Present
B.Tech in Information Technology	CGPA: 8.92
Govt. Senior Secondary High School, Rajasthan	Jan 2021
Science – Mathematics	Percentage: 91%

Projects

Backend Development Projects

Django-Based Blogging Platform (GitHub)

Python, Django, Docker, AWS EC2

Developed a scalable blogging platform featuring multi-user authentication, post categorization, and a dynamic commenting system. Engineered the backend with Django to ensure maintainability and performance, containerized the application using Docker, and deployed it on AWS EC2 for high availability and seamless scalability.

Mental Health Chatbot (GitHub)

Python, Flask, TensorFlow, NLTK

Created a mental health chatbot leveraging NLP for intent recognition and sentiment analysis, enabling empathetic and context-aware conversations. Integrated a secure journaling system to support emotional well-being tracking, enhancing user engagement and self-reflection capabilities.

ClipPipeline (GitHub)

FastAPI, FFmpeg, Python, HTML, CSS, JavaScript

Built a web-based video editor using FastAPI and FFmpeg for quick, intuitive trimming and editing. Designed for content creators and educators, offering smooth uploads and real-time video manipulation.

DevOps Projects

MERN Application with Monitoring and Automation (GitHub)

React, Node.js, MongoDB, Docker, Terraform, Ansible, Grafana, Prometheus

Designed and deployed a MERN stack application on AWS with monitoring and automation. Utilized Terraform for infrastructure as code, integrated Prometheus and Grafana for performance tracking, and implemented secure cloud architecture using EC2, S3, and RDS.

Cloud Automation with AWS Lambda

AWS Lambda, DynamoDB, Python, Terraform

Engineered a serverless architecture using AWS Lambda and DynamoDB to maximize resource efficiency and ensure high availability. Automated infrastructure provisioning and management with Terraform, enabling consistent, scalable, and repeatable deployments.

CI/CD Pipeline for Full-Stack Application (GitHub)

Jenkins, Docker, Terraform, AWS EC2, Ansible

Implemented an automated CI/CD pipeline for a MERN stack application, leveraging Jenkins and Docker to streamline build and deployment processes. Configured scalable AWS infrastructure to support production workloads and achieved a 40% reduction in deployment time through optimized workflows and automation.

Skills

Programming Languages: Python, Core Java

Frameworks & Libraries: Flask, Django, NumPy, Pandas, Boto3

Databases: MySQL, DynamoDB, MongoDB, RDS

Cloud & DevOps: AWS (EC2, Lambda, S3, CodePipeline), Docker, Terraform, Jenkins, Ansible

Soft Skills: Problem-Solving, Communication, Team Collaboration