Akash Kamboj

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PROFILE SUMMARY

Innovative Computer Science graduate with proven expertise in cloud architecture, DevOps automation, and data-driven solutions. Skilled in deploying scalable AWS environments, streamlining CI/CD pipelines, and automating infrastructure using Terraform, Kubernetes, and Docker. Adept at leveraging Python, Machine Learning, and advanced analytics to deliver insights that optimize performance, reduce costs, and accelerate delivery timelines.

EDUCATION

Meerut Institute Of Engineering And Technology   *Meerut,UP*

Bachelors in Computer Science and Engineering   *2021* – 2025

- Represented university in Technical Fest

SKILLS

Technical skills: Python, Machine Learning, Linux, Shell Scripting, SQL, Power BI

Tools: AWS Cloud, Docker,Kubernetes,Jenkins(CI/CD), Terraform, Ansible, Github, MongoDB

PROJECTS

Wanderlust - End to End Deployment of Three-Tier App on AWS EKS using Gitops   July 2025-August 2025

- Led deployment of a scalable three-tier application on AWS EKS using GitOps with ArgoCD, reducing manual intervention by 80% and achieving 99.9% deployment success rate.

- Automated AWS provisioning with Terraform, cutting setup time by 30%, and engineered a Jenkins-driven CI/CD pipeline for zero-downtime releases.

- Integrated Prometheus & Grafana for proactive monitoring, improving issue detection time by 40% and enhancing system reliability.

Diamond Price Prediction -ML Regression Model   January 2025-April 2025

- Developed ML regression model to predict diamond prices using features like carat, cut, color, clarity, and dimensions.

- Implemented full pipeline with data preprocessing, feature engineering, and model training in Python (Pandas, Scikit-learn).

- Optimized accuracy via hyperparameter tuning and evaluated using R^2 score & RMSE.

- Deployed as a Flask web app, containerized with Docker for portability and Automated deployment on AWS EC2 using GitHub Actions CI/CD.

ACHIEVEMENTS / CERTIFICATIONS

- AWS Solutions Architect Associate
- AWS Cloud Practitioner Foundational
- Data Science Masters Certificate (Physics wallah)