Saksham Kala

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PROFESSIONAL SUMMARY

Cloud computing enthusiast skilled in AWS and Google Cloud Platform. Experienced in deployment automation using Vercel and Render, with expertise in secure authentication (OAuth 2.0, AWS Cognito) and cloud-native integrations.

EDUCATION

Bennett University   Greater Noida, India
Bachelor of Technology (B.Tech)   2023 – 2027

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (Lambda, S3, API Gateway, Translate, CloudFront), Google Cloud Platform (GCP)
- **DevOps & Deployment:** Docker, Vercel, Render, Git, GitHub Actions, Boto3
- **Authentication:** AWS Cognito, OAuth 2.0, IAM Policies, KMS Encryption
- **Programming:** Python, JavaScript, React, C++
- **Databases:** SQL, DynamoDB

PROJECTS

Cloud Translator – Serverless Document Translation App   Live Link | GitHub
Tech Stack: AWS Lambda, Amazon Translate, S3 (KMS), React.js, Vercel

- Engineered a full-stack serverless application to translate Word documents (.docx) while preserving original formatting.
- Optimized batch processing speeds by 65% through a custom "Auto-Clean" Lambda trigger that manages S3 input lifecycles.
- Resolved complex security bottlenecks by implementing AWS Signature Version 4 (SigV4) for KMS-encrypted S3 buckets.
- Deployed a responsive React frontend on Vercel with real-time polling for asynchronous job status updates.

CultivAI – AI Powered Farmer Query Solver   Live Link | GitHub
Tech Stack: AWS Cognito, Google OAuth, Vercel, Render, Google AI Studio

- Developed an intelligent data automation platform solving farmer queries using Google AI Studio APIs.
- Implemented secure authentication and authorization using AWS Cognito and Google OAuth.
- Deployed the frontend application via Vercel and the backend services via Render for high availability.

Cloud Resume Challenge (Serverless Web App)   Live Link | GitHub
Tech Stack: AWS (S3, Lambda, DynamoDB, CloudFront, IAM), Node.js, React, GitHub Actions

- Built and deployed a serverless web application hosted on AWS S3 and distributed via CloudFront.
- Architected a backend using AWS Lambda (Node.js) and DynamoDB to track visitor counts in real-time.
- Automated CI/CD deployment pipelines using GitHub Actions with strict IAM role integration.

CERTIFICATIONS & BADGES

- AWS Knowledge: Cloud Architecting
- AWS Knowledge: Cloud Developing
- AWS Knowledge: Serverless
- AWS Knowledge: Data Engineering
- AWS Knowledge: Cloud Security
- AWS Certified: Cloud Foundations
- AWS Knowledge: Generative AI
- Databases and SQL for Data Science (IBM)

ARTICLES

Cloud Edge Collaboration   Read Article
Published an article discussing new approaches in Cloud Edge collaboration technologies.