

TANISHA

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Languages & Core: Python (Boto3, Pandas, Regex), SQL, C++
Cloud & Serverless (AWS): Lambda, DynamoDB, S3, SNS, IAM, API Gateway, CloudWatch
DevOps & Tools: Git, GitHub Actions, Docker, Postman, Streamlit, Amazon Athena
Concepts: Serverless Architecture, Event-Driven Design, Infrastructure Scripting (IaC)

PROJECTS

- Automated Expense Audit & ETL Pipeline** | *Python, AWS Lambda, DynamoDB* [Source Code](#)
- Architected a serverless ETL pipeline to digitize financial records, using AWS S3 Events to trigger automated processing workflows.
 - Engineered a Heuristic Risk Engine to detect fraud anomalies (e.g., high-value/weekend transactions), implementing automated compliance controls.
 - Implemented data transformation logic using Pandas and Regex to sanitize OCR outputs, resolving entity ambiguity with high precision.
 - Performed ad-hoc data analysis on raw S3 audit logs using Amazon Athena (SQL), enabling querying of unstructured JSON data.
- Distributed High-Concurrency Order Engine** | *Python, Redis, AWS SQS, DynamoDB* [Source Code](#)
- Architected a distributed system to handle burst traffic, decoupling API ingestion from processing using AWS SQS.
 - Implemented Redis Distributed Locks (Mutex) to eliminate race conditions, ensuring 100% inventory consistency.
 - Engineered an idempotent worker service that validates stock against DynamoDB, successfully rejecting duplicate orders.
- Cloud Vault: Automated Backup Daemon** | *Python, File System Automation, AWS S3* [Source Code](#)
- Developed a multi-threaded background service using Python's Watchdog library to monitor file system events and replicate critical data to Cloud Storage in real-time.
 - Implemented S3 Lifecycle Policies to automate data tiering (Standard to Standard-IA), optimizing long-term storage costs by 40%.

EDUCATION

Banasthali Vidyapith <i>Bachelors in Computer Applications (BCA) – CGPA: 8.0/10.0</i>	Rajasthan, India Aug. 2023 – Present
Navy Children School <i>Senior Secondary Education (Commerce)</i>	Delhi, India Completed May 2023

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) – Issued 2025