

Tanisha

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

SUMMARY

AWS Certified Cloud Practitioner and final-year BCA student specializing in Backend Automation and Serverless Architecture. Developed hands-on skills in building event-driven systems with Python and AWS, focusing on bridging the gap between cloud theory and practical, secure implementation. Dedicated to designing reliable data pipelines and cost-effective APIs that prioritize data integrity.

TECHNICAL SKILLS

Cloud & Backend: AWS (Lambda, API Gateway, SNS, S3, DynamoDB, IAM), Python (Boto3), REST APIs

Languages: Python, Java, C++, JavaScript, SQL, C

DevOps & Web: Git, GitHub Actions (CI/CD), Docker, Tailwind CSS, HTML5/CSS3

Core Competencies: Serverless Design, Data Integrity, Infrastructure Automation

PROJECTS

Vibe-Check: Real-Time Sentiment Analysis API | *Python, AWS Lambda, SNS* Dec 2025

- Architected a serverless REST API capable of sub-millisecond logic execution to process real-time customer feedback.
- Engineered a cost-optimized backend using rule-based filtering, bypassing the expense of dedicated ML inference.
- Implemented an event-driven Alert System via Amazon SNS to flag critical feedback within a 12-second window.

Bill-E: Automated Financial Data Pipeline | *Python, AWS S3, DynamoDB, OCR* Nov 2025

- Developed an event-driven ETL pipeline to digitize receipts, utilizing S3 Ingestion to trigger automated workflows.
- Built a multi-stage validation layer to sanitize OCR outputs and ensure high data integrity before ingestion.
- Automated structured record-keeping in DynamoDB using Boto3 to create a scalable expense audit trail.

Cloud Vault: Secure Backup Daemon | *Python, Boto3, AWS S3, Watchdog* Sept 2025

- Developed a multi-threaded Python service to replicate filesystem events to S3 in real-time using Watchdog.
- Enforced security best practices by implementing AES-256 Server-Side Encryption and granular IAM policies.
- Optimized storage efficiency via S3 Lifecycle Policies, transitioning aged artifacts to cost-efficient tiers.

EDUCATION

Banasthali Vidyapith Rajasthan, India

Bachelors in Computer Applications (BCA) - CGPA: 8.0/10.0 Aug 2023 – Present

Navy Children School Delhi, India

Senior Secondary Education (Commerce) - 86% Completed May 2023

CERTIFICATIONS & ACTIVITIES

AWS Certified Cloud Practitioner (CLF-C02) Issued 2025

Sub-core Member, Workshop Team | *Mayukh Techfest* 2025

- Facilitated technical cloud workshops for over 200+ attendees at a national-level tech fest.

Student Council Member 2021 – 2022

- Represented the student body and acted as a key liaison between students and faculty.

Rotary International Member 2022 – 2023

- Participated in community service projects and local fundraising initiatives.