

PROFESSIONAL SUMMARY

Cloud & Data Engineer with 7+ years delivering Python, AWS serverless, Terraform and enterprise ETL/data processing solutions across banking and insurance domains with proven event driven automation impact (e.g. ~1 hour → 5–8 minutes report workflows)

CERTIFICATIONS

- HashiCorp Certified Terraform Associate
- AWS Certified Developer Associate
- Microsoft Certified: Azure Fundamentals
- AWS Knowledge: Cloud Essentials

EDUCATION

B.Tech, ECE, RTU, India (2015)

KEY PROJECTS

Portfolio Website (2022–2025)

Django, Next.js, Route53, Terraform
Live cloud portfolio with 3 interactive demos; deployed on AWS EC2 (Aug 2024), migrated to ECS.
Link: asmitasuruchi.com

Shopping Analysis (2022–2025)

Python, Pandas, scikit-learn, AWS
Retail analytics dashboards + TF-IDF/cosine-similarity recommendation engine with REST APIs. Link:
asmitasuruchi.com/projects/project2

Disk Space Monitor (2020)

Python CLI, cross-platform
Disk usage monitoring, alerts, and storage reports with documentation and config support. Link:
github.com/Asmita-1223/DiskSpaceMonitor

PROFESSIONAL JOURNEY

INFOSYS Ltd. (Feb 2026 – Present)

Develop Python-based automation utilities to extract, process, and generate customized on-demand reports for business users using S3-triggered AWS Lambda and event-driven, per-record processing workflows.

Support production reliability by troubleshooting Lambda logs, S3 inputs, and database records across environments, and manage Git-based releases and deployments with business stakeholders for on-demand reporting requirements.

H1B ASSIGNMENT | UNITED STATES (Feb–May 2023)

Built Python backend and cloud engineering solutions for enterprise applications; provisioned and deployed AWS infrastructure with Terraform.

CAREER BREAK Jun 2022 – Jan 2026

Relocation, visa transition, maternity leave (Sep–Dec 2025); independent AWS/Python projects and certifications.

ACCENTURE SOLUTIONS Pvt. Ltd (Jul 2019–Jun 2022)

Designed and operated cloud-native ETL and data processing on AWS (Lambda, EMR, Glue, Redshift, RDS, Step Functions, DynamoDB) handling 500K+ records/day and 2M+ daily transactions across banking and insurance workloads.

Built event-driven S3/Lambda workflows and a Redshift data reconciliation framework using Python, SQL, and Pandas, supporting multi-region pipelines and reducing manual reconciliation and file-processing effort.

Automated infrastructure and workload scheduling with CloudFormation and EventBridge and developed reusable Python/Unix automation & EMR bootstrap scripts for enterprise data operations and issue detection.

IBM INDIA Pvt. Ltd (Nov 2015 - Jun 2019)

Developed TF-IDF-based supervised ML email classification in Python.

Built daemon-based automation using Python, SQL, VBA, and VBScript with custom dashboards, saving 20+ hours of manual operational effort per week through automated scheduling, validation, and trend monitoring.