ANISHA SALUNKHE

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EDUCATION

New York University (NYU), Graduate School of Arts and Science, New York, NY
Master of Science, *Information Systems*
University of Pune (SPPU), MKSSS's Cummins College of Engineering for Women, Pune, India
Bachelor of Engineering, *Computer Engineering*

TECHNICAL SKILLS

- **Programming Languages & SDKs:** Python, Java, TypeScript, JavaScript, Kotlin, AWS SDK, AWS CDK, Shell Scripting, HTML/CSS.
- **AWS & Cloud Infrastructure:** Lambda, EventBridge, DynamoDB, S3, VPC, CloudFormation, EC2, Docker, Kubernetes, Amplify, CodePipeline, CodeBuild, CodeDeploy.
- **Data & Analytics:** Kafka, Athena, Redshift, QuickSight, Step Functions, SQS, API Gateway, GraphQL, REST, MongoDB, MySQL.
- **DevOps & Architecture:** Git, Jenkins, SonarQube, IAM, KMS, WAF, Microservices, Serverless, OpenTelemetry, Route 53.

WORK EXPERIENCE

Cloud Applications Architect, AWS, New York, NY   **November 2023 – Present**
- Designed and implemented enterprise WorkOrder Management System using **Netflix Conductor** orchestration, scaling to process **1M+ daily** workflows with sub-second latency and achieving **99.99%** data consistency.
- Re-architected content delivery platform using **EventBridge** and **Lambda**, cutting operational costs by **50%** ($2.1M annually) and reducing workflow execution time by **65%**.
- Engineered high-throughput asset processing system using **Step Functions** and **S3**, enabling **40%** faster content delivery while maintaining cross-region data consistency.
- Built a resilient integration framework with **API Gateway** and **EventBridge**, reducing content processing failures by **75%** and improving exception recovery time by **60%**.
- Spearheaded Well-Architected reviews for 6 enterprise customers, driving **45%** improvement in operational efficiency and establishing architectural best practices.

Cloud Applications Developer, AWS, New York, NY   **July 2021 – October 2023**
- Launched scalable payment processing platform processing **$500M+** monthly transactions, achieving **32%** higher acceptance rates across Americas.
- Automated **IAM** governance system for Fortune 500 clients, reducing permission management overhead by **60%** and strengthening security posture.
- Implemented multi-account management framework for **1000+** AWS accounts, achieving **96%** compliance rate through automated controls.
- Migrated 200+ applications to AWS cloud, reducing operational costs by **40%** through optimized architecture patterns.

Professional Services Intern, AWS, New York, NY   **June 2020 – August 2020**
- Engineered remote execution feature for AWS migration tool integrating 8 services via **Python** and **Boto3**, enabling automated script deployment across distributed server environments.
- Built **Serverless** 3-tier architecture with real-time execution logging, reducing migration troubleshooting time and improving operational visibility by **30%**.
- Designed CI/CD-enabled cloud solution that scaled workload migrations for enterprise customers.

Software Engineer, Mastercard, Pune, India   **July 2017 – July 2019**
- Architected and maintained enterprise messaging infrastructure supporting **2000+** production clients using **Java**, **Scala**, and **Bash**; orchestrated multi-region releases with zero downtime.
- Developed a usage audit and billing tool that generated revenue-tracking reports, establishing the foundation for the department's **$2.5 million** billing framework.
- Optimized messaging service performance by **13.67%** and boosted throughput by **3780 TPS** through load testing and **JVM tuning**; achieved "A" code quality rating on **SonarQube**.

PROJECT EXPERIENCE

Early Detection of Breast Cancer Using Spark MLlib
Python, Spark MLlib, SQL, Machine Learning, ETL
- Developed an ML-driven cancer detection platform integrating automated ETL, data profiling, and cleaning pipelines to process multi-dimensional clinical and imaging datasets, achieving **85.4%** accuracy through **Decision Tree** modeling.

CERTIFICATES AND CO-CURRICULAR

- **AWS Professional:** Solutions Architect Professional, DevOps Engineer Professional
- **AWS Associate:** Solutions Architect Associate, Developer Associate
- **AWS Foundational:** Cloud Practitioner, AI Practitioner