

Mrs. Sayali Sawant

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Generative AI Engineer

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Professional Summary

Generative AI Engineer with 6.8 years of professional experience. Lead end-to-end delivery of agentic AI systems for fintech, from architecture and client requirements to production, using Amazon Bedrock, AgentCore, and RAG. Strong backend foundation in scalable, reliable financial platforms.

Technical competency

Gen-AI: Amazon Bedrock | Agent Core | Lang Graph | Strands SDK | LLMs | RAG | Multi-Agent Systems | Agentic AI Orchestration | Rag orchestration | | Sagemaker AI .

Cloud & AWS: ECS Fargate | S3 | DynamoDB | Polly | Kendra | API Gateway | Cloud formation | cloud trail | Glue | kinesis | Secret manager | EMR | Transcribe | Athena | Quick | Rds open search.

Deployment: Independently architected and deployed production-ready Generative AI projects on AWS, delivering secure, scalable solutions with end-to-end data pipelines from ingestion to visualization.

Technical Roles & Responsibilities:

Cloud Age Global IT Services LLC | Generative AI Engineer

(DEC 2022 – Until date)

Project: Financial Assistant | Client – CenterCredit

- Engineered a conversational banking assistant on Amazon Bedrock Agent Core (Runtime, Identity, Policy, Memory), orchestrating Lang Graph agents powered by Claude Sonnet to securely process customer banking queries.
- Built cloud-native, serverless APIs with API Gateway, Lambda, and DynamoDB, secured with Cognito and JWT auth
- Implemented end-to-end observability with CloudWatch, enabling scalable, secure, real-time financial assistance.

Cloud Age Global IT Services LLC | AI Cloud Engineer

Project: Rag Chatbot - AI Knowledge Assistant | Client - Nasdaq

- Built a RAG Knowledge Assistant with Lang Chain and Amazon Bedrock Agents for enterprise knowledge retrieval.
- Implemented semantic search, top-k retrieval, and prompt orchestration for accurate, context-aware responses.
- Improved discoverability, response relevance, and team efficiency with a scalable GenAI solution.

Project: Transcribe Assistant | Client - Maximus

- Architected an event-driven audio processing pipeline using S3, Lambda, and Amazon Transcribe.
- Integrated Glue and Athena for automated data cataloguing and SQL-based querying.
- Delivered an end-to-end audio-to-insight workflow with automated analytics.

Galaxy Transmission Pvt Ltd | Quality Engineer

(June 2019 – Dec 2019)

- Managed quality documentation, inspection reports, and ERP records, keeping the team audit-ready and in compliance.
- Analyzed root causes of defects and drove process improvements with cross-functional manufacturing teams, cutting quality issues by 20%.

Samruddhi Industries Pvt Ltd | Quality Engineer

(Dec 2018- May 2019)

- Executed RCA-CAPA processes and preventive action planning as a certified Internal ISO Auditor.
- Managed quality compliance and customer complaint resolution; led FMEA to drive zero-defect (ZD) outcomes.

Hi-Tech Plast Ltd | Quality Engineer

(July 2015– Feb 2017)

- Led QA administration, including supplier and 5S audits, and ran the “Can Do” zero-defect program.
- Delivered 2 CIP and Kaizen projects with production and engineering teams, ensuring on-time, defect-free delivery.

Certifications & Training

[Generative AI -Certification](#)

[AWS AI Practitioner Challenge](#)

Education:

Bachelors of Engineering.