

SARVESH SHAH

Jersey City, NJ 07306 | sarveshshah2000@gmail.com | (640)-250-7441 | [LinkedIn](#) | [Github](#)

SUMMARY

Experienced AWS Cloud Developer proficient in designing and optimizing cloud solutions using AWS services such as Lambda, DynamoDB, S3, RDS, IAM, and CloudFormation. Proficient in Python, SQL, REST APIs, YAML, and JSON with additional experience in marketing and sales management. Currently pursuing AWS Certified Developer – Associate.

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems **New York, NY**
Master of Science (MS) in Computer Science | GPA: **4.00 / 4.00** May 2026
Relevant Coursework: **OS, Computer System and Concepts, Java DS, Database Management Systems, Artificial Intelligence, Parallel Computing, Algorithms & Computing Theory**

Mumbai University, KJ Somaiya Institute of Technology **Mumbai, India**
BTech in Electronics and Telecommunication | GPA: **8.2 / 10.0** May 2022
Relevant Coursework: **Cloud Computing & Security, Natural Language Processing, Web Design, Management Information Systems, Image Processing & Machine Vision.**

PROFESSIONAL EXPERIENCE

Tata Consultancy Services **Mumbai, India**
Systems Engineer – Amazon Web Services Cloud Developer July 2022 - August 2024

- Re-architected a high-traffic e-commerce platform, reducing latency from 15-20 seconds to under 500 milliseconds by leveraging NOSQL Database **DynamoDB's efficient pagination** and reusable data-fetching functions.
- Optimized AWS cloud architecture with **Auto Scaling and Load Balancing**, improving system availability and cutting operational costs by 20%.
- Enhanced cloud security using **IAM best practices**, enforcing multi-factor authentication, and applying the principle of least privilege to mitigate potential breaches.
- Built serverless applications with **AWS Lambda, API Gateway, and DynamoDB**, reducing maintenance overhead and ensuring 99.99% data availability with disaster recovery solutions.
- Led data migration to **Amazon RDS and DynamoDB**, for better development increasing data retrieval speeds by 40% and reducing maintenance costs by 25%.
- Implemented **AWS GenAI-powered chatbot**, improving customer engagement and support efficiency by utilizing vector databases for Jira and GitHub Docs integration.

PUBLICATIONS

Web Application for Sentimental Analysis with NLP - [Link](#) January 2022 - April 2022

- Developed a Flask-based web application with MySQL for sentiment analysis, utilizing Textblob and Spacy for graphical insights into product reviews, and implemented NLP techniques to classify customer feedback with 90% accuracy in sentiment prediction.

PROJECTS

AWS Databases: DynamoDB - Scan and Query (Advantages and Disadvantages) September 2024 – December 2024

- Analysed DynamoDB's Query and Scan operations, proposing optimization techniques using Global Secondary Indexes, filtering, and parallel scanning to enhance performance and cost efficiency.

Stock Price Manipulation Detection Using Generative Adversarial Networks November 2021 - January 2022

- Conducted a case study using machine learning tools like generative adversarial networks (**GANs**) and long short-term memories (**LSTMs**) to analyse financial data and predict anomalies related to stock market manipulation.

TECHNICAL SKILLS

Programming Languages: Python 3, Java, C++, SQL, GitHub, PySpark, Flask, REST API, Jupyter Notebook, Django, JIRA, HTML, CSS, Bootstrap, JavaScript, React, MongoDB, PostgreSQL, Apache Spark
Cloud Services: AWS (Auto Scaling, Load Balancing, IAM, Lambda, DynamoDB, S3, RDS, CloudFormation, EC2, Route 53, SECS)
Awards: National Cyber Olympiad International 45th Rank (February 2018)

CERTIFICATIONS

Microsoft Certified Azure Developer Associate (2023), Google Associate Cloud Engineer (2023) AWS Gen AI Essentials (2023)

ADDITIONAL VOLUNTEER EXPERIENCE

Lions International - Leo Club of Mumbai Carter Road | Global Membership Director & Treasurer July 2023 – June 2024

- Directed community service projects and established strategic partnerships, while managing financial operations.