

# Samiksha Khare

[samikshakhare22@gmail.com](mailto:samikshakhare22@gmail.com) | (669) 377-6377 | Sunnyvale, CA - 94087 | [LinkedIn](#) | [GitHub](#)

## SUMMARY

Motivated graduate student with 7+ years of experience in the software industry. Skilled in programming languages, cloud platforms, big data technologies, and backend development. Thrives in fast-paced environments with a strong problem-solving and analytical skills

## EDUCATION

**Santa Clara University** (*Master of Science, Information Systems*) – 3.8 CGPA Dec 2025

Coursework: Object-Oriented Programming, Data Analytics - Python, Database Management System, Big Data Modeling & Analytics, Business Intelligence & Data Warehouse, Dashboards with Tableau, Natural Language Processing, Applied Cloud Computing

**R.G.P.V University, India** (*Bachelor of Engineering in Electronics & Communication*) July 2010 - June 2014

## SKILLS

**Programming Languages:** Java, Python, HTML/CSS, JavaScript, SQL

**Frameworks & Libraries:** Node.js, Express.js, Selenium, Cypress, Mocha, Chai, TensorFlow, Pandas, NumPy

**Tools & Technologies:** AWS, GCP, BigQuery, Spark, Kafka, Airflow, Kubernetes, GitHub, Jenkins, Docker, Jira, Confluence

**Methodologies:** Agile, Scrum, Software Development Lifecycle (SDLC)

## PROFESSIONAL EXPERIENCE

**Dassault Systemes** - *Quality Automation Engineer Intern - Santa Clara, CA* July 2025 - Present

- Automating ERP application using **Ranorex** and **ReadyAPI** tool to expand test coverage and reduce manual testing efforts
- Working on integrating regression and smoke automation test suites with **TestRail** to automate reporting
- Actively participate in **scrum** ceremonies with **cross-functional** teams to ensure product functionality aligns with user requirements

**Google X (Alphabet Inc.)** - *Student Practicum Intern - Mountain View, CA* Jan - June 2025

- Architected and built **end-to-end** Google Cloud Platform data pipeline with **BigQuery SQL** analysis and interactive dashboards
- Extracted, cleaned, and preprocessed multi-source ocean data from third-party **APIs** using **Python** in **Google Colab** platform
- Applied **ML model** to forecast Sea Surface Temperature trends and uncover seasonal patterns in ocean data

**Tibco Software** - *Member of Technical Staff - Pune, India* Sept 2019 - Sept 2022

- Developed automation test suites for **UI/UX** workflows and **RESTful APIs** using the **JavaScript** based Cypress framework for the **ModelOps** cloud application, achieving 95% coverage of critical business requirements
- Configured **CI/CD** pipelines using **Jenkins**, **GitHub** and **Docker** to automate functional, smoke and regression tests, reducing manual testing effort and accelerating release cycles
- Conducted installation testing on **AWS Elastic Kubernetes Service** to deploy ModelOps microservices

**Cognizant Technology** - *Automation Engineer - Pune, India* May 2015 - Sept 2019

- Developed and designed **Page Object Model** automation framework using **Selenium** WebDriver with **Java**, **TestNG** and **Maven**
- Performed **data verification** and **validation** by executing **SQL** queries via **JDBC** to ensure database integrity
- Effectively **communicated** with clients to gather business requirements, develop **test strategies** and **risk-based execution**

## RESEARCH EXPERIENCE

**Research Assistant - Sentiment driven predictive analytics for electric vehicles** - Santa Clara, CA Dec 2024 - Present

- Applied **NLP** and statistical tests for feature selection to build 68-feature EV news dataset and trained **SVM model** to 72% precision

## PROJECTS

**Historic Events with Movie Recommendation** | Python, JavaScript, HTML/CSS, MySQL, Docker | [GitHub](#) Sept - Dec 2024

- Developed **full-stack** web application to recommend top 5 movies for historical events using content-based recommendation model
- Developed **RESTful APIs** using **Node.js** and the **Express** framework to extract, filter, and add new events to the **SQL** database
- Built **Kafka** based **real-time event** streams to detect new historical and movie data events and automatically trigger ML model
- Automated the weekly ingestion of movie data from **TMDB APIs** using Apache **Airflow**

**Flight Data Analysis** | Databricks, Amazon S3, PySpark, SparkSQL, OLAP, Tableau | [GitHub](#) Jan - March 2025

- Built scalable **ETL pipeline** in **Databricks** using **PySpark** to process **19M+** Parquet format flight records stored on **Amazon S3**
- Designed **star schema** in **BigQuery** and developed **OLAP** queries to analyze flight delay trends, taxi times, and cancellation rates
- Developed interactive **Tableau** dashboards to visualize flight patterns for aviation analytics

## CERTIFICATIONS

Google Data Analytics certification May 2025

Machine Learning Specialization Sept 2024

AWS Cloud Practitioner June 2023