

Akanksha Thorat

Pune | akanksha.thorat12@gmail.com | 9370335106 | akankshathorat.in
linkedin.com/in/akanksha-thorat-244162 | github.com/akku1209

Summary

Proficient SDET and Automation Engineer with expertise in test automation, API testing, and CI/CD pipelines. Passionate about building scalable QA solutions and actively exploring Gen-AI capabilities to enhance testing workflows wherever possible. Seeking opportunities at the intersection of automation and AI-driven quality engineering.

Skills

Languages: Python, Java, C, SQL, JavaScript

Libraries and Tools: FastAPI, Django, Flask, Gunicorn, TensorFlow, Selenium, Appium, Cucumber, Maven, TestNG, JMeter, Postman, OpenAI, Claude, GitHub Copilot

CI/CD and Version Control: Azure DevOps, Git, GitHub, GitLab

Cloud based Testing Platforms: BrowserStack, LambdaTest, TestSigma

Cloud Technologies: AWS (S3, EC2, Lambda, ElasticSearch), Azure (App Services, Blob, Functions, Key Vaults, Azure OpenAI)

Databases: SQL, MySQL, SQLite, MongoDB

Work Experience

Senior Test Automation Engineer, Bajaj Finserv Pvt Ltd, Pune, India

July 2022 – Current

Website

- Designed and maintained robust Cucumber BDD automation frameworks for desktop and mobile web using Selenium, covering sanity, regression, and in-sprint automation for regular deployments
- Automated broken link checks (images, videos) across 30,000+ sitemap pages, identifying 404, 403, and 301 issues.
- Developed a utility to measure Core Web Vitals of website pages using Lighthouse parameters alongside JMeter.
- Developed a Python script to automate the testing of asset migration across multiple AEM DAMs, validating their integrity post-migration.
- Expanded automation coverage for logged-in flows (Single Sign-In, Offers, Rewards, Payments) with OTP retrieval from Firebase endpoints for database-stored numbers.
- Implemented automated content validation across pages, ensuring consistency in content similarity, spelling, and global variables

App

- Designed and maintained robust Cucumber BDD automation frameworks for both Android and iOS Apps [Native and PWA] using Appium, covering sanity, regression, and in-sprint automation for regular deployments
- Created automated test scripts to identify broken links in the App build
- Developed a utility for a Sanity check for App crashes along with their time laps taken to log in.
- Implemented a full CI/CD/CT process within the team, developing and maintaining regression, and sanity test suites that trigger automatically during build and deployment stages to ensure production readiness.
- Leveraged LambdaTest HyperExecute for faster, parallelized test execution, improving build efficiency and reducing test cycle time.

DevOps

- Integrated automated test suites into Azure DevOps CI/CD pipelines to accelerate delivery while ensuring high-quality standards.
- Optimized pipeline execution by implementing parallelism and job-level optimizations.
- Developed utilities such as retry mechanisms within pipelines to minimize intermittent failures caused by platform or network issues.
- Integrated an automated reporting mechanism post-pipeline execution using Python, with artifacts stored in AWS S3 buckets and Azure Blob Storage for centralized access and analysis.
- Integrated GenAI capabilities into a PR Reviewer utility to analyze pull requests, generate review comments, and produce a final dashboard highlighting metrics such as AI-generated code percentage and human-written code percentage.

Development of Tools

- Developed and launched an AI-driven tool that assists in identifying comprehensive test scenarios, test cases, and Cucumber BDD-based test scripts from requirements received. This tool, using the GPT API, FastAPI and Azure Web App Services, improved efficiency by 70%.
- Built a web application using AWS services for Object and Emotion detection (Amazon Rekognition) in images, aiding in dynamic banner updates on the website.

Intern Developer, Trigensoft Solutions Pvt Ltd, Pune, India

June 2021 – Aug 2021

- Worked on an Object Detection project for a client, using Python and OpenCV for image processing and model implementation.

Certifications and Trainings

Apply Prompt Engineering with Azure OpenAI Service	April 2025
Basics of Prompt Engineering	March 2025
GenAI and Prompt Engineering	September 2024
Agile Scrum Training	September 2024
Microsoft 365 Copilot: Personal Productivity for All	June 2024
Performance Testing with JMeter for absolute beginners	December 2023
API Testing Journey with Postman Tool	October 2022
AWS Cloud Technical Essentials	September 2022
HarvardX: Data Science with Machine Learning	January 2021
Python Basics	May 2020

Education

College of Engineering Pune (COEP)	July 2018 – May 2022
Bachelor's degree in Computer Science	

Publications and Achievements

Flood Damage Detection Using Satellite Images	Jan 2023
Amey Dhongade , <i>Akanksha Thorat</i> , Divya Alone, Suraj Sawant, Amit Joshi	
Link	
2x- Kudos Award	
Tech Titan Award for Exceptional Work	
Prodigy Award	