

Anushil Adhikari

Austin, Tx | anushil7a@gmail.com | LinkedIn | GitHub | Personal Website | US Citizen

EXPERIENCE

General Motors - *Software Quality & Test Engineer*

Mar 2026 – Present

- Automated test suites in Python and Robot Framework to validate GM's OTA update pipeline, catching log failures and system-level bugs early and improving defect detection by ~30%.
- Built and maintained Jenkins CI/CD pipelines integrated with Git to automate continuous testing of OTA software delivery, cutting regression cycles by ~35% and shipping releases with significantly higher confidence.
- Created an OTA test framework for logging, traffic analysis, and test execution, centralizing pass/fail results to eliminate manual test-by-test review and enable 100% unattended nightly regressions.
- Developed Python source-control tooling to normalize generated XML artifacts, eliminating cosmetic Git diff noise and enabling code review for 100% of previously non-diffable script changes.

BizArch Solutions- *AI Engineer Intern*

Oct 2025 – Dec 2025

- Designed a reusable RAG and backend automation pipeline processing 100+ support cases per cycle from S3, using FAISS-based retrieval, caching, security scanning, and robust retry logic to reduce redundant LLM and tool executions by 60%.

Fannie Mae - *Full Stack Engineer Intern*

Jun 2025 – Aug 2025

- Built a full-stack property analytics dashboard using Angular and TypeScript, improving data accessibility and reducing analysis turnaround time by 30% through real-time PostgreSQL queries.
- Implemented automated test suites using Karate, JUnit, and Spring Boot, integrated with Gradle-based CI workflows to cut regression cycles by ~40% and increase defect detection prior to release.

Freddie Mac - *Software Engineer Intern*

May 2024 – Aug 2024

- Improved backend and data pipeline performance by optimizing SQL queries, REST APIs, indexing, caching, and filtering logic, increasing throughput by 30%, reducing database load by 50%, and cutting analysis time by 40%.

Uber - *Fellowship*

Jan 2023 – Aug 2023

- Built SQL-driven predictive pricing models integrated with internal data pipelines, improving forecast accuracy by 15% and contributing to a 10% increase in pricing margins.

PROJECTS

OutfitGenie

- Designed a full-stack AI styling platform using React, Flask, and PostgreSQL, developing an AI-powered image analysis pipeline to identify clothing attributes and generate 5,000+ personalized outfit recommendations for 350+ users, achieving ~85% positive feedback.
- Engineered a wardrobe intelligence engine analyzing 45+ garments with perceptual color science and weather-based algorithms, improving outfit relevance by ~35% and optimizing packing for multi-day trips.

BudgetSense AI

- Built an AI-powered Android budgeting app used by 150+ users, integrating ML Kit OCR, Room DB, and a self-learning Naive Bayes classifier to automate receipt processing and expense categorization.
- Engineered natural-language expense search and personalized financial insights using SQL query generation, filtering, and reducing manual analysis and simplifying spending insights.

EDUCATION

George Mason University

Fairfax, VA

Bachelor of Science in Computer Science | GPA: 3.8

Dec, 2025

Certificate: AWS Certified Cloud Practitioner, AWS Solution Architect

SKILLS

- Languages:** Python, Java, JavaScript, C/C++, Golang, HTML/CSS, TypeScript
- Framework & Tools:** Spring Boot, React.js, Angular, Express.js, Next.js, AWS, Azure, Docker, Kubernetes, Jenkins, Django, Git, CI/CD, Unix, SQL, NoSQL, MongoDB, Agile, Flask