Akshit Sanjay Gaur

Mountain View, CA | asgaur@andrew.cmu.edu | 408-594-8958 | akshitgaur.com | LinkedIn | GitHub

Summary

Passionate and results-driven Software Engineer with 4+ years of experience in software development, automation, and quality assurance. Adept at delivering scalable solutions and contributing to innovative projects. Seeking exciting opportunities to leverage technical expertise in dynamic software engineering roles.

Skills

Programming Languages: Python, C++, Java, Bash, R
Frameworks & Tools: Selenium, Pytest, Docker, Git, Jenkins, Jira
Operating Systems: Linux, macOS, Windows
Methodologies: Agile, Cross-Functional Collaboration, Automation Development
Communication: Technical Documentation, Stakeholder Engagement, Educational Outreach
Specializations: Software Development, Automation Frameworks, Quality Assurance, Data Integration

Education

Carnegie Mellon University, MS in Software Management — Aug 2024 – Dec 2025

- **Coursework:** Deep Learning, Machine Learning Engineering, Product Management, Problem Discovery & Definition, Integrated Thinking and Innovation, Advanced AI Systems

University of Waterloo, BS in Mathematics, Minor: Computer Science, Economics — Aug 2015 – Apr 2020

- **Coursework:** Advanced Linear Algebra, Advanced Calculus, Object-Oriented Programming, Econometric Theory, Management Information Systems, Computer Application in Databases

Experience

Technical Project Manager, Corus Entertainment – Toronto, Ontario — Feb 2022 – Aug 2024

- Led migration from legacy system to cloud-based Microsoft Finance and Operations, optimizing business processes and ensuring compliance with latest cloud infrastructure standards.
- Designed and implemented Python-based automation frameworks for data processing, creating 650+ test automations and reducing deployment time by 50%.
- Resolved critical data integration issue between Microsoft Dynamics and in-house application, ensuring accuracy of 150,000+ customer records and improving overall data integrity by 99%.

Python Developer, Multi Health Systems – Toronto, Ontario — Apr 2021 – Feb 2022

- Integrated Microsoft technologies and Python automation into workflows, boosting operational efficiency by 30% and enhancing data-driven decision-making.
- Spearheaded Shopify-Microsoft Dynamics integration, leading product strategy and cross-functional teams to enhance customer experience and increase efficiency by 75%.

Projects

AI-Powered Learning Management System

- Developed a AI product that lets users create personalized study material using Google Gemini.

Dementia Analysis using Machine Learning and Deep Learning

- Integrated machine learning and deep learning models to analyze Alzheimer's disease progression, utilizing datasets from the CELLxGENE Census.

Research

Next-Generation Auto Grading - Carnegie Mellon University

- Developed a multi-agent, LLM-driven platform to automate programming assignment evaluation, leveraging microservices and integrating static analysis tools, unit testing and qualitative feedback generation.