

SHIVAM LAVHALE

Software Developer Intern | Automation and Linux

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SUMMARY

Systems-focused Software Developer bridging low-level programming with backend architecture. Leverages Python, Linux, C/C++, and Docker to engineer robust RESTful APIs, offline-first applications, and automated CI/CD pipelines. Delivers optimized, production-grade code based on hands-on experience at ApexaiQ. Actively expanding infrastructure skills by integrating AWS, microservices, and advanced testing and automation frameworks within Agile environments.

EXPERIENCE

Software Developer Intern – ApexaiQ Oct 2025 – Nov 2025 & Feb 2026 – Mar 2026

- Developed Python CLI tools and Selenium test automation on Linux, reducing manual data extraction and environment setup time by 85% and ensuring 100% reproducible environments.
- Designed and deployed RESTful APIs to handle core automation workflows, processing 2,500+ daily requests with integration latency under 200ms.
- Containerized 4 internal applications and storage microservices using Docker, eliminating environment mismatches and reducing deployment time by 60% across development and production.

PROJECTS

my-notes-app [Tauri, GitHub Actions] Dec 2025 – Jan 2026

- Built an offline-first notes application deployed natively across 4 operating systems (Linux, macOS, Windows, Android), ensuring zero-dependency local availability.
- Developed a minimalist user interface that queries local SQLite storage to retrieve and render records in under 50ms.
- Automated multi-platform compilation using GitHub Actions CI/CD, orchestrating parallel builds that eliminated manual packaging and saved 40+ minutes per release cycle.

Cloud Study Jam Leaderboard [HTML, CSS, JavaScript] [Live] Oct 2025 – Nov 2025

- Built a dynamic leaderboard web application for GDG on-campus events, calculating and displaying real-time rankings for 200+ active participants.
- Engineered an automated data pipeline to parse daily Excel performance reports, transforming raw metrics into structured data for frontend rendering.
- Configured automated workflows to process and deploy updated datasets daily, eliminating manual data entry and maintaining 100% accurate updates throughout the event.

auto-install [Bash, GitHub Actions] Mar 2024 – May 2024

- Architected a custom Arch Linux ISO with automated Bash scripts, reducing full unattended system installation time from 3 hours to under 15 minutes.
- Scripted zero-touch system provisioning for 100+ core packages and environment dotfiles, eliminating manual post-installation configuration.
- Implemented CI/CD pipelines to validate and generate updated ISO images on every code push, saving approximately 2 hours of manual build time per release cycle.

EDUCATION

Bachelor of Engineering – Computer Science and Engineering Jun 2023 – Jul 2027

Shri Sant Gajanan Maharaj College of Engineering, Shegaon

CGPA: 7.31

SKILLS

Languages: C, C++, Python, Bash, Java, Ruby, Lua

Web and Backend: RESTful API design, HTML, CSS, JavaScript

System Development: Linux, Linux ISO building, shell scripting, dotfile configuration

Automation and DevOps: GitHub Actions, CI/CD pipelines, Selenium, Docker, Kubernetes

Cloud and Infrastructure: Google Cloud Platform, AWS (learning), microservices

Database: SQLite, SQL

Tools and Frameworks: Git, GitHub, Tauri, Hugo, Jekyll, Android Studio

LEADERSHIP AND COMMUNITY

- ACM (Association for Computing Machinery) – Treasurer, 2025–2026
- GDG (Google Developer Groups) – Cloud Lead, 2025–2026
- ACM (Association for Computing Machinery) – Technical Team Member, 2024–2025

CERTIFICATIONS AND ACHIEVEMENTS

- Google Cloud Computing Foundations (Infrastructure, Data/ML, Security) – Google Cloud, Sep 2025 – Jan 2026
- Data Structures and Algorithms using Java – NPTEL, Oct 2025
- Red Hat System Administration – RH124, Feb 2025