

# Kailash Choudhary

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## EXPERIENCE

<b>Software Engineer</b> <i>314e Corporation (US-based Healthcare Startup)</i>	Sep 2024 – Present Bangalore, India
<ul style="list-style-type: none"><li>Building and maintaining <b>Jeeves</b>, a training platform for healthcare professionals, focusing on backend reliability and scalability.</li><li>Designed and developed the <b>ffmpeg-app</b>, a gRPC-based video processing service built entirely from scratch to handle operations like trimming, annotations, zoom, crop, blur, spotlight, background music, and aspect ratio adjustments; this service now powers all video-related workflows across Jeeves.</li><li>Revamped the asset upload and processing flow by parallelizing audio and video related tasks using Temporal workflows, reducing failures and cutting total processing time by nearly 60%.</li><li>Optimized Docker builds with <b>distroless images</b> and cleaned up unused dependencies, reducing image size by around 900MB and improving build speed and security.</li><li>Enhanced the core <b>FastAPI</b> backend by refactoring critical endpoints, improving API latency, and integrating asynchronous event notifications via <b>Novu</b>.</li><li><b>Tech:</b> Python, FastAPI, gRPC, Temporal, PostgreSQL, Keycloak, FFmpeg, Novu, Docker</li></ul>	
<b>Software Engineer Intern</b> <i>Kalvium</i>	Mar 2024 – Aug 2024 Bangalore, India
<ul style="list-style-type: none"><li>Developed a database assignment platform enabling students to solve SQL queries on live schemas; implemented query validation and auto-grading, reducing mentor evaluation time by 60%.</li><li>Migrated 15GB+ of log data to <b>Google Cloud Object Storage</b>, freeing up database space and improving query performance.</li><li><b>Tech:</b> React, Node.js, PostgreSQL, Google Cloud, Docker</li></ul>	
<b>Software Developer Intern</b> <i>KwigReply</i>	Jun 2023 – Feb 2024 Pune, India
<ul style="list-style-type: none"><li>Built a <b>user management and access control system</b> for admins, improving internal workflow efficiency and access transparency.</li><li>Created an <b>automated chat assignment system</b> using the round-robin algorithm, improving agent response distribution and ticket turnaround.</li><li><b>Tech:</b> Python, Django, Celery, JavaScript, Azure Blob Storage, MySQL</li></ul>	

## PROJECTS

<b>Repo-Guard</b>   Go, Templ, Tailwind, GitHub API	Jun 2024 – Jul 2024
<ul style="list-style-type: none"><li>Built a Go-based service that connects with GitHub repositories through webhooks to automatically identify and close duplicate issues.</li><li>Added smart commenting to suggest related issues, helping repository maintainers keep discussions organized and reducing repetitive reports.</li></ul>	

## TECHNICAL SKILLS

<b>Languages:</b> Python, Go, JavaScript, Java
<b>Frameworks:</b> FastAPI, gRPC, Django, React
<b>Tools:</b> PostgreSQL, Docker, Git, Temporal, Keycloak, Novu, Linux, Neovim

## EDUCATION

<b>Symbiosis Skills and Professional University</b> <i>Bachelor of Technology in Computer Science (CGPA: 8.3/10)</i>	Pune, India Nov 2020 – Jun 2024
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## ACHIEVEMENTS

- Winner of both online and offline editions of **HackThisFall 2024**; participated in 10+ MLH hackathons.
- Ranked in **Top 10** globally in **HackSquad 2022** and contributed 50+ PRs during **Hacktoberfest 2022**.
- Served as a **GSSoC 2023** contributor (Rank 42) and community expert.