ASHISH KAR

Software Engineer

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SUMMARY

Software Engineer with practical experience in open-source project environment configuration, dependency management, and test integration. Experienced GitHub contributor with a solid record of solving intricate dependency problems across a wide range of codebases. Looking for a remote, flexible opportunity to work with a prestigious AI research lab and optimize development processes.

EXPERIENCE

AI Engineer

Micro1

📅 11/2023 - 04/2025

- Optimized environment provisioning for internal data labeling tools developed with Python and Flask.
- Combined pip-audit, Snyk, and custom shell scripts to streamline vulnerability scanning in CI pipelines.
- LLM evaluation by creating prompt-response tests, checking accuracy, and validating code generation tasks using real-world GitHub issues.
- Worked with QA to maximize test stability across staging and production.

Software Engineer

Dusker Education Services

📅 09/2022 - 10/2023

- Engineered and maintained strong Python development environments for big-AI systems.
- Developed automated environment validation workflows with Snyk and pip-audit for security compliance.
- Built Docker-based modular build systems to decouple dependencies and speed up CI pipelines.
- Coordinated cross-time-zone collaboration, allowing environment problems to be solved with minimal downtime.

Python Developer – Tech Division

GeeksforGeeks

📅 08/2021 - 09/2022

- Set up and managed Python development environments for internal analytics applications and legacy system integrations.
- Troubleshot and fixed package dependency problems for data processing pipelines utilized in scheduling and asset monitoring.
- Automated security scanning and compliance testing with pip-audit and Snyk in CI pipelines.
- Improved Dockerized deployment processes, reducing build time by 40% and increasing test pass rates across environments.

Python Environment & DevOps

Straive

📅 04/2019 - 07/2021

- Established and kept reproducible Python environments for backend services that backed AI-driven ed-tech tools.
- Normalized microservice development with Docker, pip-tools, and Makefiles for version pinning and dependency management.
- Used pip-audit, Snyk, and GitHub Actions to automate CI tasks for environment verification and security scans.
- Sandboxed dependency issues and lowered environment-caused runtime errors by 40%.

KEY ACHIEVEMENTS

💎 **Merged Major PR to Fix Dependency Bug in SentenceTransformers**

Made a crucial contribution to a widely-used open-source NLP library by closing a model checkpointing bug, now 500+ forks rely on.

💎 **Reduced CI Pipeline Failures by 40%**

At Dusker Education Services, reworked the Docker and dependency pipeline for Python microservices, greatly enhancing reliability during testing and production phases. Saved 40% of CI Pipeline Failures.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Indian Institute of Technology (IIT) Delhi

📅 07/2017 - 04/2021

Master of Technology (M.Tech) in Computer Science and Engineering

Indian Institute of Technology (IIT) Delhi

📅 08/2021 - 04/2023

SKILLS

Python　C++　LLMs　Javascript　Agents　LangChain　CI/CD　Docker　GitHub Actions　CircleCI　MongoDB　LangGraph　flake8　RAG　HuggingFace　Snyk　Git　GitHub　PyTorch　REST　AWS

COURSES

Advanced Python Programming – Coursera

Docker for Developers – Udemy

CI/CD with GitHub Actions – LinkedIn Learning

Secure Software Development: Threats and Solutions – edX

Linux Command Line and Shell Scripting – NPTEL