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Summary

Python-native software engineer with experience building internal tools, cloud-native pipelines, and developer-facing systems. Exploring **Rust** for performance-aware tooling and backend infrastructure. Comfortable owning ambiguous problems and turning prototypes into reliable production systems.

Experience

AI Developer Intern

Across The Globe

Aug 2025 - Present

- Optimized performance of the Slide Creation Node (SCN) engine by introducing **parallel processing**, reducing execution time by **~30%** for AI-driven content generation workflows on **AWS Lambda**.
- Stabilized and improved reliability of a core visualization pipeline component used across the product, enhancing production stability and developer confidence.
- Architected backend routing logic to dynamically select execution paths based on course metadata and programming language, improving scalability and maintainability.
- Developed internal automation tooling, including a **Markdown-to-PDF documentation generator**, accelerating documentation workflows for the product team.
- Led and mentored a sub-team of **2 interns**, driving task breakdown, implementation reviews, and production issue resolution.

Projects

Content Automation Pipeline

Python, Langchain, Gemini AI

- Built an automated pipeline that ingests source content, applies structured transformations, and persists results using a relational database.
- Designed with a human-in-the-loop approval flow to balance automation and correctness.
- Reduced manual content preparation effort by up to **70%**.

Digital Asset Management System

Python (FastAPI), SQLAlchemy, PostgreSQL

- Designed a metadata-driven image storage and retrieval system using **PostgreSQL**, enabling indexed queries by attributes such as location and category.
- Implemented a clean backend API with **FastAPI** and **SQLAlchemy**, focusing on extensibility and maintainability.

WhatsApp Chat Analytics

Python, Streamlit, Pandas

- Built a data processing pipeline to convert raw chat logs into structured datasets for analysis and visualisation.
- Delivered insights through a Streamlit dashboard, reducing analysis time from hours to minutes.

Education

Degree	Institution	Year	Score
B.E. Computer Engineering	Pune Institute of Computer Technology	2023 - 2027	CGPA 9.2
Class XII	Global Public School, Nashik	2021 - 2023	80%
Class X	Ryan International School, Nashik	2021	90%

Skills

Programming Languages: 🐍 Python, 📘 TypeScript, 🦀 Rust, 📄 SQL

Tools & Technologies: FastAPI, SQLAlchemy, PostgreSQL, LangChain, Docker, Git, AWS (Lambda)

Achievements

Team Lead, GDG Hackathon 2025

2025