

Shlok Bam

AI / Generative AI Engineer

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SUMMARY

AI/Generative AI engineer with hands-on experience shipping agentic and LLM-powered systems to production, from multi-agent pipelines to LLM-as-judge evaluation frameworks alongside full-stack (React/FastAPI) and DevOps (Docker/Terraform) delivery. Currently interning at PharmaACE on healthcare data and agentic AI pipelines.

EXPERIENCE

Intern at PharmaACE Innovations (June 2026 – Present)

- Engineered an NPI matching pilot (Python, Streamlit, Snowpark, rapidfuzz) for a Fortune 500 pharma client; auto-accepted 94% (163 of 174) of a real test batch and sent 11 records for review or rejection.
- Developed a News Monitor pilot (Python, FastAPI, React, Playwright) tracking 1,200+ pharma newsrooms on a 30-minute schedule with a no-LLM scan and a GPT-4o-mini source-validation judge.
- Currently building a Forecast Reporting Agent (Python, FastAPI, LLMs) that converts natural-language questions into SQL with execution-based validation, LLM self-correction, and chart recommendations.

LEADERSHIP & ACTIVITIES

Chairperson at Information Technology Student's Association (ITSA), VIT Pune (July 2025 – June 2026)

- Led a 50+ member student team as Chairperson; organized a department-wide AI workshop (500+ attendees), mock GD/PIs and an INR 1 lakh-budget event; built a QR attendance system used at an event with 750+ attendees.

PROJECTS

Enterprise Workforce Training Platform (Project Completion Letter | GitHub | Blog)

- Developed a cross-platform LMS with role-based dashboards for trainers and trainees (module creation, scheduling, assessments, progress tracking), delivered as a containerized React web app (Docker Compose).
- Provisioned cloud storage with Terraform, secured routes with JWT/bcrypt, added server-side PDF/video watermarking per trainee, and configured a Jenkins CI/CD pipeline.
- Technologies:* Python, FastAPI, SQLAlchemy, MySQL, ReactJS, React Native, Docker, Terraform, AWS S3, Jenkins

DailyDiff: Autonomous Multi-Agent Tech Curation Platform (Live Link | GitHub | Blog)

- Built DailyDiff (dailydiff.in), a live LangGraph pipeline over 7 sources that emails a fact-checked brief 3x/week (185 briefs, 42 editions); cut LLM calls from up to 22 to 4, added a fail-closed publish gate.
- Per-agent evals, 3 runs (25 golden cases): Skeptic rejected 6-7/7 noise items (3/7 pre-fix), Verifier caught 14-15/16 bad items, Analyst matched 13-14/15 verdicts, Editor 5/5 briefs passed structure checks.
- Technologies:* Python, LangGraph, LangChain, FastAPI, Mistral AI, Gemini, PostgreSQL (Neon), React, Vite, GitHub Actions, Brevo API

SKILLS

Languages: Python, SQL, JavaScript

GenAI Frameworks: LangChain, LangGraph, Hugging Face, MCP

GenAI Techniques: RAG, Multi-Agent Systems, Tool/Function Calling, Prompt Engineering

LLM Evaluation & Safety: LLM-as-Judge, Golden-Dataset Evaluation, DeepEval, GEval, Guardrails, LangSmith

Machine Learning: Deep Learning, NLP, Transformers, Embeddings

Web Development: FastAPI, Pydantic, REST APIs, React

Databases: PostgreSQL, MySQL, Chroma (Vector DB)

Cloud & DevOps: AWS, Docker, Terraform, Jenkins, GitHub Actions, Git

Core CS: DSA, OOP, DBMS, OS

EDUCATION

B.Tech, Information Technology at Vishwakarma Institute of Technology, Pune, India (Sept 2023 – May 2027)

- CGPA: 9.01/10 (Expected)

ACADEMIC & EXTRACURRICULAR ACHIEVEMENTS

- Winner, INDOvateAI Sprint 2025: Best Outstanding Project among 200+ teams.