

Basudev Ghadai

GenAI / Agentic AI Engineer

Phone: +91-7008673226 • **Email:** ghadaibasudev1234@gmail.com

LinkedIn: linkedin.com/in/basudev-ghadai-67b07b200 • **GitHub:** github.com/basudevghadai1999

Career Summary

GenAI engineer focused on building and operating LLM-driven automation under real-world constraints. Experienced in designing agent workflows with bounded retries, explicit failure handling, and cost-latency tradeoffs. Most work involved systems that partially fail, hallucinate, or stall — and making them reliable enough to ship.

Experience

Aimplify — Bengaluru, India

Apr 2025 – Present

AI Fullstack Developer (LLM & Agent Systems)

- Designed and operated multi-agent task execution workflows with planner, executor, and verifier roles
- Implemented bounded retries, schema validation, and confidence checks to control hallucinations
- Routed low-confidence outputs to deterministic fallbacks instead of repeated re-prompting
- Deployed agent workloads on AWS Lambda with asynchronous orchestration and state checkpoints
- Optimized agent depth and fan-out based on cost and latency constraints

Sapat International Pvt. Ltd. — Mumbai, India

Apr 2024 – Mar 2025

Software Developer (LLM Applications)

- Built Python-based backend services and LLM-assisted automation for internal workflows
- Integrated LLM decision steps into existing systems via REST APIs
- Preferred constrained LLM components over full agent autonomy for reliability
- Mitigated context loss and ambiguous instructions through prompt constraints and validation rules
- Integrated ML inference endpoints using AWS SageMaker

CPS Mobility Services Pvt. Ltd. — Mumbai, India

Jun 2023 – Mar 2024

Service Engineer (Automation & Monitoring)

- Worked at Mumbai site (Jio World Centre) supporting production mobility systems
- Built automation scripts for monitoring, alerting, and operational recovery on Linux servers
- Assisted with incident response and system reliability in live environments

Conflux Marketing Pvt. Ltd. — Bengaluru, India

May 2022 – Nov 2022

Python & Application Developer

- Developed backend APIs and application logic using Python
- Built automation scripts and backend utilities for internal workflows
- Integrated business processes into production systems
- Assisted in debugging, feature development, and backend maintenance

IBM — India

Sep 2021 – Feb 2022

AI / ML Intern (Mentor-Guided — Diploma Curriculum)

- Completed a five-month AI/ML internship as part of the Advanced Diploma curriculum
- Worked under the guidance of an IBM industry mentor on applied AI/ML concepts
- Gained hands-on exposure to supervised learning, data preprocessing, and model evaluation using Python
- Learned practical AI workflows through structured assignments and mentor reviews

Selected Projects

Text-to-SQL Stock Analytics Engine

Built a natural language-to-SQL system using Amazon Bedrock (Claude) to query stock data across 11 PostgreSQL tables. Implemented automatic SQL error recovery and dynamic chart generation based on query output schemas.

Cold Email Generator Agent

Built a LangGraph-based multi-agent system for lead intake, company data extraction, and personalized email generation. Handled agent failures using conditional routing, graceful fallbacks, and bounded retries.

Intelligent Web Automation

Adaptive automation with DOM detection and structured validation. Used deterministic fallbacks when LLM outputs failed schema or confidence checks.

Technical Skills

Primary: Python, LLM orchestration, tool-calling agents, failure handling

Frameworks: LangGraph, LangChain, OpenHands, FastAPI

Models: OpenAI GPT-4 / GPT-4-Turbo, Claude

Cloud: AWS (Bedrock, SageMaker), GCP (Vertex AI)

Datastores: PostgreSQL, MongoDB, FAISS, Pinecone, ChromaDB

Education

Bachelor of Computer Applications (BCA)

2022-2025 (Result Awaited)

Indira Gandhi National Open University (IGNOU)

Appeared for final semester examination; result awaited

Advanced Diploma (Vocational) in IT, Networking & Cloud Computing

2019 – 2022

National Skill Training Institute (NSTI), Bhubaneswar

Industry Partner: IBM India Pvt. Ltd.

NSQF Level 6 — First Division (865 / 1000)

Higher Secondary (12th) — Vocational

2017

National Council for Vocational Training (NCVT), Govt. of India

Passed All India Trade Test

Secondary School (10th)

2015

Board of Secondary Education (BSE), Odisha

High School Certificate Examination