

ASHUTOSH MISHRA

Hyderabad, India · +91 8018642428 · prog.mishra@gmail.com
linkedin.com/in/ashu2 · github.com/ASH1998 · https://ashutoshmishra.dev

SUMMARY

Senior AI/ML engineer with **7 years of experience** building production Generative AI, agentic systems, and large-scale machine learning platforms. Built enterprise **LLM systems serving 30K+ employees** and processing 23B+ tokens monthly, along with real-time personalization systems **handling 11M+ e-commerce sessions per day**. Experienced in **leading teams of up to 15 engineers** and building AI agents, LLM platforms, fine-tuning pipelines, model serving, and scalable AI infrastructure.

WORK EXPERIENCE

Senior Data Scientist S&P Global

July 2025 – Present
Hyderabad, India

- Building ASTRA, an enterprise agent platform on AWS AgentCore serving 5K+ employees, 16K+ AI sessions, and 23B+ tokens/month over proprietary enterprise data.
- Built ASTRA's eval harness, 400+ golden traces across tool-use and retrieval; **reduced escape rate from 23% to <5%**
- Own ASTRA's guardrail layer - PII redaction, prompt-injection detection, and full trace audit logging - which cleared InfoSec review for deployment on restricted enterprise data.
- Led WhoBot, an enterprise knowledge platform serving 30K+ employees, answering ownership, risk, and product questions that previously required chasing people across siloed internal systems.
- Built its multi-agent knowledge graph over 8 source systems (CMDDB, ownership, risk, product, sales), extracting 2M+ entity relationships with an LLM-judge validation loop that **raised edge precision from 71% to 89%**.
- Selected as a Vision Professor (internal AI faculty, 15 firm-wide); authored the internal curriculum on agent design and fine-tuning, now onboarding material for 150+ AI teams.

AI Lead, GenAI Practice Wipro

October 2023 – July 2025
Hyderabad, India

- Led a team of 15 GenAI engineers delivering enterprise AI, agentic systems, and infrastructure diagnostic solutions.
- Designed and launched AI-powered root-cause analysis solutions that **reduced infrastructure MTTR by 15%**.
- Fine-tuned and deployed domain-specific SLMs on secure, GPU-based on-premises infrastructure.
- Partnered with client stakeholders from solution scoping through production deployment across 6+ enterprise engagements, defining architecture, evaluation criteria, and rollout plans.

Founding Engineer and Data Scientist Let's Cooe

May 2021 – October 2023
Pune, India

- Built and scaled core AI and data products for an e-commerce personalization platform as an early founding engineer.
- Developed real-time purchase-intent systems that **process 11M+ e-commerce sessions per day**.
- Designed an event-driven architecture that improved data-processing **efficiency by more than 60%**.
- Developed an LLM-powered analytics system using tool calling over PostgreSQL, contributing to a 4%+ conversion uplift.
- Automated model training, evaluation, deployment, monitoring, and retraining pipelines.

Associate Data Scientist Riverus

June 2019 – May 2021
Pune, India

- Achieved 90% precision in extracting high-value analytics from large-scale legal corpora.
- Improved fuzzy text-matching performance by 25% for quoted-text comparisons across legal datasets.
- Developed and deployed an ensemble of transformer and supervised learning models supporting one-class classification for 160K+ users.

SKILLS

Languages: Python, JavaScript, SQL, Rust

Generative AI: Large Language Models (LLMs), AI Agents, Retrieval-Augmented Generation (RAG), MCP, Tool Calling, LLM Fine-Tuning, Hugging Face, LangChain, Google ADK, FastMCP

ML & Inference: PyTorch, Machine Learning, Deep Learning, JAX, Scikit-learn, vLLM, TGI, Model Serving, Unsloth

Backend & Cloud: FastAPI, Node.js, AWS, Azure, Google Cloud, Docker, CI/CD, MLOps, Serverless Deployment, Nginx

Data: PostgreSQL, MongoDB, ClickHouse, Snowflake, ChromaDB, Vector Databases, Knowledge Graphs, NoSQL

EDUCATION

IGIT, Sarang

Bachelor of Science in Computer Science, Hons. in AI and Real-Time System

August 2015 – April 2019
Talcher, Odisha

OPEN SOURCE & ACHIEVEMENTS

2026 Hugging Face Build Small Hackathon Winner

OpenBMB Open-Source ambassador

Member of the 2025 S&P Global Innovation Award - winning team

Open-Source AI Contributor - Synthetic datasets and fine-tuned models published on Hugging Face.