

Rajveer Singh Saggu

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SUMMARY

AI & Software Engineer skilled in building **scalable ML pipelines** and **fault-tolerant cloud systems**. Passionate about **open-source innovation** and **containerized Data & AI workflows**. .

EDUCATION

Birla Institute of Technology, Mesra

2023 – 2027

B.Tech in Electronics and Communication Engineering

CGPA: 8.85/10

EXPERIENCE

Software Engineering Intern – Data & AI Systems

May 2025 – Jul 2025

OutriX

Remote

- Developed containerized **REST APIs** serving 1M+ records, reducing manual reporting by 20%.
- Automated **dataset pipelines** and **hybrid AI workflows**, improving efficiency by 30%.
- Implemented **latency and reliability testing** for fault-tolerant ML model deployments.
- Optimized **concurrent processing and SQL queries**, boosting throughput and scalability.

Software Engineering Intern – Cybersecurity AI

Apr 2025 – May 2025

CDAC

Remote

- Engineered **log-processing pipelines** handling 10M+ events/day for anomaly detection.
- Integrated **AI-based detection modules** into enterprise SIEM, reducing false positives by 15%.
- Containerized **AI monitoring services** with Docker for reproducibility and modular scalability.

Algorithmic Trading Strategy Intern

Feb 2025 – Mar 2025

Lunor AI

Remote

- Designed deterministic multi-coin trading strategies using Python/C++ with SQL-backed data streams.
- Built backtesting frameworks evaluating **Sharpe ratio, drawdown, and profitability metrics**.
- Performed **volatility-adjusted optimization** for enhanced strategy stability and data integrity.

PROJECTS

Mini-Document-Validator — Python, FastAPI, Generative AI, Docker, PostgreSQL

GitHub

- Developed an AI-powered **microservice** for automated insurance document validation.
- Combined **Generative AI parsing** with rule-based logic in modular FastAPI pipelines.
- Deployed **containerized services** with persistent database storage for production reliability.

AgentHive – Multi-Agent AI Platform — Python, LangChain, FAISS, Docker, AWS

GitHub

- Built a distributed **multi-agent system** for automated research and knowledge retrieval.
- Implemented **vector search, agent coordination**, and fault-tolerant orchestration pipelines.
- Reduced response latency by 25% using async scheduling and context-aware optimization.

Ilaaj – AI Medical Assistant — Python, LangChain, FAISS, Flask, AWS

GitHub

- Developed an **AI medical assistant** using RAG pipelines and FAISS-based semantic search.
- Integrated **LLM reasoning modules** for contextual response generation and triage support.
- Automated backend workflows, reducing manual triage load by 80%.

TECHNICAL SKILLS

Languages: Python, C++, C#, SQL, OOP, DSA, Linux CLI

AI/ML & LLMs: PyTorch, TensorFlow, LangChain, HuggingFace, RAG, YOLOv8

Backend & Data: FastAPI, Flask, REST APIs, PostgreSQL, MongoDB, FAISS

DevOps & Cloud: Docker, Git, CI/CD, AWS, Kubernetes, Linux containers

ACHIEVEMENTS

- **Amazon ML Summer School '25 Scholar** (Top 0.2%).
- **1st Place – Unstop Hackathon**, ranked 2nd overall among 1000+ teams.
- **CDAC Merit Scholar** for excellence in AI and advanced computing.
- Contributed to **GSSOC '25** open-source projects (bug fixes and feature enhancements).