Gitansha Aggarwal

Location: Singapore (open to relocate) — **Languages:** English, Hindi, Japanese

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👤 SUMMARY

- **Gen AI & ML Engineer** with 2+ years of experience building **scalable AI Agents, chatbots & ML workflows** across **Azure and AWS**. Skilled in **LLMs, automation, and analytics solutions** that enhance efficiency and decision-making. Completed **MSc in Business Analytics at NTU Singapore**, blending technical depth with business insight.

🔧 SKILLS

- **Programming & ML:** Python, PySpark, SQL, Docker, Git, Scikit-learn, TensorFlow, **Vector DBs, RAG, LLMs**, UI/UX, Neural Networks
- **Cloud & DevOps: Azure (Data Factory, Functions, ML, DevOps), AWS,** Databricks, REST APIs, CI/CD, **Opensearch**
- **Data & Visualization: Power BI, Tableau, Dash**, ETL Pipeline Design, Data Engineering, **MLOps**
- **Soft Skills:** Project Management**,** Team Management, Cross-functional Collaboration, Process Optimization, Monitoring, Automation

💼 PROFESSIONAL EXPERIENCE

Seatrium   **Sep 2025 – Present**
AI & Digital Solutions Developer   *Singapore*

- Revamped **JS-based UI to embed AI chatbot**, driving 5,000+ employee adoption and boosting enterprise app usability.
- **Orchestrated enterprise-wide deployment** of facial recognition attendance system, **coordinating IT, HR, and timekeeping teams** to unify data pipelines and cut manual reconciliation.
- Designed **scalable backend workflows for 13k employees**, integrating **Workday and internal shift systems to compute in/out statuses** with ~90% accuracy compared to the legacy card-tap system, establishing a robust foundation for automation expansion.

Singapore Airlines (SIA)   **Jan 2025 – Jun 2025**
AI Engineer & Data Science Intern   *Singapore*

- **Developed & deployed an LLM + Vector DB** chatbot on **AWS (S3, EC2, Bedrock, opensearch)** for aircraft defect resolution, leveraging 3 years of historical data to streamline MRO processes and cut troubleshooting time.
- Automated **PDF data extraction workflows with LLMs**, saving 7 hrs/week of manual effort for 50+ engineers with optimization through parallelization & memory tuning reducing latency by 66%.
- Delivered a procurement **chatbot (90% accuracy)** enabling instant access to supplier data, boosting operational efficiency across units.

Tiger Analytics, (Advance AI & Analytics MNC in India)   **Jan 2022 – Jul 2024**
Senior Analyst, Machine Learning Engineer   *India*

- Integrated ETL framework in PySpark, cutting processing time by 25% while ensuring 100% compliance with established data standards.
- Mentored 2-member team to automate **Azure Data Factory & Databricks** workflows, cutting manual effort by 30%, saving 4+ hrs/week.
- Collaborated with MLOps team to deploy Data pipelines & Azure services (**Data Factory, Azure Functions with CI/CD**) for an automobile client, enabling daily data processing across 7 markets, decreasing deployment time by 40%, and ensuring 98% uptime.
- Developed **automation scripts** that published **60+ web scraping** results daily via Databricks REST APIs, boosting efficiency by 55%.

💡 KEY PROJECTS

EstiMATE – ML-Driven Business Valuation Platform (Link 🎧)   **Sep 2024 – Oct 2024**
- Built full-stack (**Python backend, React frontend**) business valuation platform with **ARIMA forecasting** for 3-month S&P 500 trends.
- Implemented sentiment analysis via StockNews API and implemented feature to display top **3 verified headlines** for market insights.
- Integrated financial metrics **(EPS, EBITDA, P/E ratios, DCF) with interactive visualizations** for data-driven investment decisions.

Feastie – AI Agent for Restaurant Reservation (Link 🎧)   **Oct 2025 – Nov 2025**
- Engineered an **SLM-powered** hotel reservation POC using **Qwen 2.5-7B (Hugging Face) and SQLite**, enabling an autonomous agent to reliably **interpret natural-language** instructions and execute **end-to-end booking actions** (create/modify/cancel) with high precision.
- Designed intelligent **fallback and recommendation logic** that detects availability conflicts and proactively **suggests optimized dates/time/locations**, boosting successful task completion by ~30% in controlled POC evaluations.

🏅 CERTIFICATIONS & ACHIEVEMENTS

- **Ranked top 50** for **AWS ASEAN LLM** league Hackathon (AI Singapore & AWS)   **Apr 2025**
- **AI Agent Fundamentals** (Hugging Face)   **Mar 2025**
- **Initiating & Planning Projects & Managing Project Risks/Changes** (UC Irvine)   **Sep 2024**
- **Tableau Dashboards**: Happiness Index & Netflix **(Link 🎧)**   **Sep 2024**

🎓 EDUCATION

Nanyang Technological University (NTU)   **Jul 2024 – Jun 2025**
MSc in Business Analytics, GPA: 4.75/5 (Dean's List)   *Singapore*

International Institute of Information Technology (IIIT)   **Aug 2018 – Jun 2022**
B.Tech in Computer Science & Engineering, GPA: 8.2/10   *Bhubaneswar, India*