Yashika Jain

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EDUCATION

University of Toronto   **Sept 2023 - April 2027**
Honors Bachelor of Science in Computer Science and Statistics
Relevant Courses: Machine Learning, Artificial Intelligence, Data Structures & Algorithms, Discrete Mathematics

EXPERIENCE

Vegas Consulting   **April 2025 – Present**
Lead Agentic AI Engineer - MAGI (AI Assistant for Manufacturing & Service Teams)
- Designed and led the AI architecture for a SaaS assistant that enables real-time search and guidance across 10,000+ manufacturing documents.
- Built multi-agent RAG pipelines with Vertex AI, LangChain, ChromaDB/Pinecone, and Neo4j; optimized latency, cost, and retrieval quality.
- Developed the end-to-end stack (FastAPI/Flask + React) with Stripe integration; achieved <500ms response times via vector search and prompt optimization.
- Containerized and deployed services on GKE with Docker + Cloud Build CI/CD, reducing pilot infra costs by 40%.
- Integrated with ERP workflows (REST APIs) and led testing + product strategy to align engineering with business goals.

Mathnasium: The Math Learning Center   **Jul 2023 – Nov 2023**
Instructor
- Taught foundational and advanced math concepts to 40+ students; developed individualized strategies to improve problem-solving and logical thinking.

Collabera Inc.   **May 2022 – Jul 2022**
Blockchain Software Intern
- Gained hands-on experience with AWS, Docker, Go, Linux and Blockchain technologies.
- Proposed and prototyped Blockchain + IoT use cases integrated with cloud services.
- Co-designed the MVP for a Revenue Cycle Management system on AWS Blockchain.
- Delivered a production-ready blockchain module used for payer–provider interactions.

PROJECTS

MeetingMind – AI-Based Service
- Developed a GCP-based system that transforms meeting audio into concise summaries and task lists using Vertex AI + NLP pipelines
- Created an intelligent Q&A chatbot using OpenAI, LangChain, FAISS, and Streamlit with a vector-based retrieval pipeline.
- MeetingMind improves collaboration by ensuring critical meeting details are captured and organized efficiently.
- Tech: Python, GCP, Vertex AI, Natural Language API, React, Prompt Engineering.

AI EduGuide BOT
- Developed a sophisticated AI chatbot for academic queries using OpenAI LLM, LangChain, FAISS, and Streamlit.
- Implemented custom prompt logic and conversational flows for context-aware reasoning.
- Tech: Python, Streamlit, Flask, FAISS, LangChain.

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, Go, JavaScript
- **Frameworks/ML:** React, Flask, FastAPI, LangChain, PyTorch, TensorFlow, Vertex AI
- **Tools/Cloud/DB:** Git, Docker, Linux, GCP, AWS, Kubernetes, MySQL, ChromaDB, FAISS, OpenSearch