Alex Johnson

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Education

Bachelor of Science in Computer Science — University of Toronto (Expected 2025)

Relevant Coursework: Deep Learning, NLP, Data Structures, Algorithms, Software Engineering

Technical Skills

Languages: Python, C++, JavaScript
Frameworks: LangChain, FastAPI, PyTorch, TensorFlow, Flask
LLM Tools: Hugging Face, LlamaIndex, RAG, OpenAI APIs
Databases: PostgreSQL, MongoDB, Neo4j
DevOps: Docker, Git, CI/CD

Experience

AI Developer Intern — DataCore Labs (Summer 2024)

• Developed RAG pipelines using LangChain and FAISS for document retrieval tasks.

• Integrated LLMs via OpenAI and Hugging Face APIs for contextual question answering.

• Implemented prompt engineering strategies to improve accuracy by 17%.

Research Assistant — University of Toronto NLP Lab (2023–Present)

• Worked on fine-tuning transformer models for multi-turn dialogue systems.

• Contributed to published research on large language model guardrails.

Projects

Smart Resume Matcher — AI-powered Resume Evaluator (LangChain, FAISS, Hugging Face)

• Built a RAG-based application that matches resumes with job descriptions using vector embeddings.

AI Knowledge Chatbot — Open Source (LlamaIndex, FastAPI)

• Developed a chatbot capable of answering questions using organization-specific documents.

Interests

LLM Safety, Responsible AI, Multi-Agent Systems, Generative AI, Knowledge Graphs