JASLEEN MINHAS

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PROFESSIONAL SUMMARY

Technical team lead with 2+ years of experience, including co-ops, leading engineers to design and ship secure, scalable software. Strong in system design, cloud and production AI, with a track record of turning slow manual work into automation. MSc Computer Science (4.0 GPA), University Gold Medalist.

EDUCATION

Master of Science in Computer Science *Jan 2025 - Dec 2026*
Memorial University of Newfoundland | St. John's, NL, Canada | GPA: 4.0 | Academic Excellence Award

Bachelor of Engineering in Computer Science (AI & ML) *Sep 2020 - Jun 2024*
Chandigarh University | Punjab, India | CGPA: 9.01/10 | University Gold Medalist

WORK EXPERIENCE

Technical Team Lead (Part-Time Internship) *Sep 2026 - Dec 2026*
GNOSIS Ethical Intelligence | St. John's, NL, Canada

- Led a 4-person engineering team in 12-week sprints: client requirement meetings, delegation, code reviews, tech trade-offs.
- Designed the data model, workflows and 50+ REST APIs for a secure workflow platform for offshore and construction workers.
- Deployed a quantized in-house LLM on Canadian servers that suggests rephrasings for worker entries, with no paid AI APIs.
- Implemented field-level envelope encryption with AWS KMS and least-privilege IAM, keeping all data in Canada Central.
- Containerized services with Docker and Amazon ECR on EC2, deploying the AWS stack in one command with Terraform and CI.

Software Developer (Co-op) *Jan 2026 - Aug 2026*
Enaimco | St. John's, NL, Canada

- Streamlined fragmented manual scripts into a one-click, queue-based media pipeline, cutting a 3+ hour process to under 5 minutes.
- Engineered a Dockerized Azure Function App that runs queued images through Azure AI Foundry LLMs to extract GIS overlays, evaluating LLMs on company data with Ragas to route each input type to the best-scoring model with a fallback.
- Designed MD5 duplicate detection for terabytes of Azure Blob data across 7 customers, validated in dry runs, cutting storage 40%.
- Automated weekly Python SSH health checks on Azure servers, with AI agents suggesting a fix for each alert.

Full-Stack Developer (Part-Time) *Jul 2025 - Present*
Learning Disabilities Association of NL (LDANL) | St. John's, NL, Canada

- Secured $40K in funding and, as sole developer, designed the system and child-friendly UI, now live at mathmate.ldanl.ca.
- Integrated the Grok LLM API to turn session data into role-specific insights for teachers and students on interactive dashboards.

Data Analyst *Jul 2024 - Nov 2024*
Sun Life Global Solutions | Gurgaon, India

- Delivered self-serve Tableau insurance dashboards for managers, writing the Snowflake SQL and using AWS Lambda and S3 to process and store their data, which made reporting 40% faster.

Data Integration & Visualization Developer (Co-op) *Jan 2024 - Jun 2024*
Emerson Information Technology Solutions | Chandigarh, India

- Engineered MuleSoft ETL pipelines for 8+ sources (APIs, databases, Excel, SharePoint), making data integration 70% faster.

PROJECTS

TableTalk | *Python, LangGraph, Ollama, DuckDB, FastAPI, React, Langfuse* | GitHub | Demo *Nov 2026*

- Developed a local text-to-SQL agent that answers plain-English questions about uploaded spreadsheets. Designed a three-layer intent router that lifted accuracy from 90% to 99% and cut slow LLM calls from 47 to 7, with sqlglot allowing only read-only SQL.

Cloud-init Maker | *Python, cloud-init, YAML, Streamlit, LXD, pytest, GitHub Actions* | GitHub | Demo *Oct 2026*

- Developed a CLI and web app that turns a few answers into valid Ubuntu cloud-init user-data, checking the YAML and schema before boot. Learned that one indentation error can silently stop an SSH key from deploying.

RAG Pipeline Explorer | *Python, LangChain, FAISS, Streamlit, Gemini API* | GitHub | Demo *Aug 2026*

- Created an app that shows every step of a RAG pipeline. Learned to chunk and split documents, store embeddings in a vector database, and rank results to return the most relevant answer.

TECHNICAL SKILLS

Languages & Tools: Python, TypeScript, JavaScript, SQL, Bash, C++, Linux (Ubuntu), SSH, Git
Cloud & DevOps: AWS (EC2, ECS, RDS, S3, Lambda, IAM, KMS, ECR), Azure (Function Apps, Blob Storage, VMs, AI Foundry), Terraform, Docker, Kubernetes, GitHub Actions
AI & LLMs: LangChain, LangGraph, RAG (embeddings, hybrid search), vector databases (FAISS), AI agents, MCP, function/tool calling, guardrails, LLM APIs (OpenAI, Anthropic, Grok, Gemini), Ollama, Hugging Face, TensorFlow, scikit-learn
Backend & Frontend: REST APIs, FastAPI, PostgreSQL, MongoDB, DuckDB, Supabase, Node.js, Express, React, Next.js, Phaser
LLM Evaluation & Testing: Ragas, Langfuse, MLflow, Pytest, Jest, Cypress, Postman

ACHIEVEMENTS

- Computer Science Academic Excellence Award, Memorial University (2026)
- AI Hackathon Winner, Enaimco (2026)
- University Gold Medalist, Chandigarh University (2024)
- Best Intern Award, Emerson (2024)