

MOSTAFA RAFIUR WASIB

AI Project Lead | AI Engineer | Applied AI, Business Analysis, Data and Cloud

St. John's, NL, Canada | 709-219-4278 | mostafa.wasib73@gmail.com
linkedin.com/in/mostafa-wasib | github.com/mrw-soumik | mrw-soumik.github.io

PROFESSIONAL SUMMARY

AI Project Lead and AI Engineer who turns business problems into working AI and data systems, from the first requirements conversation to a tested, documented handover. Leads client AI engagements at Genesis AI Garage while staying hands-on in Python, retrieval-augmented generation (RAG), machine learning, data pipelines and cloud deployment on AWS and Azure. Combines business and systems analysis (requirements, BPMN process mapping, user stories, UAT) with engineering, evaluation and clear client communication. AWS Certified Machine Learning Engineer – Associate; Master of Artificial Intelligence.

CORE SKILLS

AI & Machine Learning: Python, LLM applications, RAG, LangGraph, LangChain, prompt engineering, structured outputs, LLM evaluation, embeddings and vector search, scikit-learn, XGBoost, PyTorch, TensorFlow, forecasting, anomaly detection, recommender systems, Claude, OpenAI, AWS Bedrock.

Data & BI: SQL, PostgreSQL, pgvector, MySQL, Power BI (DAX, Power Query), Tableau, Excel, data modelling, data quality, ETL pipelines, KPI dashboards, campaign analytics.

Business & Systems Analysis: Requirements elicitation, business requirements documents, BPMN 2.0 process mapping, current- and future-state analysis, user stories and acceptance criteria, UAT planning, requirements traceability, stakeholder communication, technical documentation.

Cloud, Engineering & Delivery: FastAPI, REST APIs, TypeScript, Node.js, Next.js, React, Supabase, Docker, GitHub Actions, AWS (CDK, S3, Athena, Lambda, CloudWatch), Azure, Google Cloud, Terraform, Agile delivery, scope and risk management.

PROFESSIONAL EXPERIENCE

AI Project Lead | Genesis Group Inc. / Genesis AI Garage | St. John's, NL

Apr 2026 - Present

- Lead concurrent AI and software engagements across 10+ confidential client projects, end to end: discovery, feasibility, scoping, planning, delivery coordination, testing and handover.
- Run requirements and scoping sessions with clients, turn them into prioritized backlogs, and manage scope, risks and timelines.
- Stay hands-on: designed and built a personalized recommendation and ranking workflow, a 3D-scan interpretation engine for accessibility assessments, and a private-cloud document-processing deployment on Azure.
- Coordinate engineers, technical reviews and client demonstrations, and keep delivery and handover documentation current.

AI Engineer | Genesis Group Inc. / Genesis AI Garage | St. John's, NL

Jan 2025 - Mar 2026

- Built and owned a cloud document-intelligence and RAG platform on Azure: OCR and LLM extraction validated in code, pgvector retrieval with cited answers, and CI with automated tests and security scans.
- Built a serverless RAG prototype on AWS (Lambda, S3-triggered ingestion, pgvector, Bedrock) with Terraform deployed through GitHub Actions.
- Prototyped emergency-sound detection with direction estimation, exported to ONNX for edge devices.
- Worked directly with clients to clarify requirements, demonstrate solutions and resolve issues; wrote test plans, deployment notes and handover guides.

AI Project Intern | Genesis Group Inc. / Genesis AI Garage | St. John's, NL

Sep 2024 - Dec 2024

- Prototyped forecasting and anomaly-detection models for environmental sensor data and reported results through dashboards using AWS analytics tools.

Data Analyst Intern | Stella's Circle & Choices for Youth | St. John's, NL

Jun 2024 - Aug 2024

- Standardized program datasets into integration-ready formats, including JSON outputs for downstream use, and built KPI dashboards with documented, validated transformation logic.

Community Researcher Intern | Canadian Council on Rehabilitation and Work | St. John's, NL

Feb 2024 - Apr 2024

- Analyzed employment-access data and summarized trends, barriers and practical recommendations for workforce inclusion initiatives.

Research Assistant | Visual and Analytic Computing Lab, Memorial University of Newfoundland | St. John's, NL

Oct 2023 - Dec 2023

- Prepared datasets and ran image and medical-data experiments with reproducible documentation.

IT Administrator & Data Analyst | Vision One Consultancy | Phnom Penh, Cambodia / Remote

Jan 2022 - Jul 2023

- Supported IT operations, user access management, CRM systems and troubleshooting for business teams.
- Built dashboards, automated ETL processes and improved data quality; translated business needs into KPIs and reports.

Affiliate & Digital Marketer | Vision One Consultancy | Remote

Sep 2020 - Dec 2021

- Analyzed campaign performance, traffic, engagement and conversion data to guide marketing decisions; recruited affiliates and tracked their results.

Data Science Intern | Maxis Berhad | Kuala Lumpur, Malaysia

Sep 2019 - Feb 2020

- Data preparation, outlier detection and exploratory analysis, with Power BI and Tableau dashboards for operational trends.

SELECTED PUBLIC PROJECTS

- **St. John's Council Minutes Assistant (RAG):** hybrid search over 97 council meetings with cited answers from a local open model and an evaluation suite in CI; the correct source was in the top five results for 95% of 65 test questions, and all 20 unanswerable questions were declined.
- **Business analysis case study, council minutes search:** business requirements document, BPMN 2.0 current- and future-state maps, 26 user stories with acceptance criteria, 30 UAT test cases and full requirements traceability for the RAG app above.
- **St. John's economy and housing dashboard (Power BI):** star-schema model with 53 DAX measures over 61 Statistics Canada series, Power BI project files and an accessible web version.
- **Vibe Coding, Engineered (MVPFlow AI):** spec-driven, AI-assisted MVP workflow and two-hour workshop, with a FastAPI reference app, 41 tests and CI.

EDUCATION

Graduate Certificate in Science and Technology Commercialization

Simon Fraser University, Beedie School of Business, Canada | May 2026 - Sep 2026

Master of Artificial Intelligence

Memorial University of Newfoundland, Canada | Sep 2023 - Dec 2024

Bachelor of Computer Science, Artificial Intelligence

University of Malaya, Malaysia | Sep 2015 - Feb 2020

CERTIFICATIONS

- AWS Certified Machine Learning Engineer – Associate, Amazon Web Services | Issued May 2026 | Expires May 2029
- Power BI Essential Training, LinkedIn Learning | Issued Aug 2026
- Mitacs Invention to Innovation Skills Training, SFU Beedie School of Business | Issued Jun 2025
- AWS Academy Graduate: Cloud Foundations, Amazon Web Services | Issued Jan 2020