

SYED TASDID AZAM DHRUBO

AI Product Manager · Founder & CEO, Sigilith · AI Safety Research

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PROFILE

AI product manager and founder working on systems whose decisions an institution has to be able to defend afterwards. Led the 0→1 build of a purpose-built Indigenous-led LLM and the two customer-facing products on top of it, directing a five-person engineering team across fine-tuning, retrieval and guardrail architecture, and piloted it inside TELUS Fuel iX to 70% user satisfaction. Now founder and CEO of Sigilith, the authorisation layer for AI decisions, in pilot with a major mobile financial services provider. Published AI safety researcher (ICCV 2025, NeurIPS 2024) on adversarial robustness and multimodal harm detection.

EXPERIENCE

Founder & Chief Executive Officer — Sigilith, Inc. Apr 2026 – Present · Delaware, USA

- Founded and lead the authorisation layer for AI decisions: consequential output is checked against the controls in force and cryptographically sealed *before* it is delivered, so what went out stays provable long after the model that produced it is retired.
- Own product vision, strategy and roadmap across two products — the Sigilith Platform (compliance, dispute response, model risk review) and Sigilith Sentry (eKYC, active liveness, fraud decisioning).
- Drove the product from concept to an active pilot with a major mobile financial services provider, running customer discovery with banking and compliance stakeholders to validate direction and prioritise the backlog.

AI Product Manager — pipikwan pêhtâkwan May 2024 – Present · Edmonton, AB

- Own the wâsikan kisewâtisiwin AI platform end to end: led the 0→1 build of a purpose-built Indigenous-led LLM, then defined, prioritised and shipped two products on it — the wâsikan Writing Assistant and the wâsikan Chatbot.
- Hands-on technical lead of a five-person engineering team, setting architecture direction across custom fine-tuning, RAG and guardrail models, plus evaluation standards and release cadence.
- Ran a six-month end-to-end pilot inside TELUS Fuel iX and the TELUS Sovereign AI Factory, reaching 70% user satisfaction across iterations.
- Selected as a 2024 MIT Solve Solver (Indigenous Communities Fellowship) — 30 teams from 2,200+ global applicants.
- Implemented AI governance frameworks for fairness, transparency and compliance, reducing algorithmic bias by 10%; delivered GenAI automation improving process efficiency by 25%.

AI & Project Management — pipikwan pêhtâkwan Jan 2023 – May 2024 · Edmonton, AB

- Built a proof-of-concept ML model with the Alberta Machine Intelligence Institute (Amii), following their Machine Learning Process Lifecycle for validation, robustness and scalability.
- Defined requirements and delivery plans for GenAI automation across agile ceremonies, standardising workflows and increasing operational efficiency by 15%.
- Led selection and rollout of ClickUp as the enterprise CRM, improving customer engagement by 20% and coordinating 20+ concurrent projects to on-time delivery.

Business Development Associate — Ascend Technology Inc. Mar 2021 – May 2024 · SF Bay Area (Remote)

- Ran discovery with prospective clients to find the business problem underneath the technology request, then translated it into a solution and a case for buying it.

Data Lead — WhereIsMyTransport Aug 2020 – Apr 2021 · London, UK (Remote)

- Led a team of analysts producing and validating public transit datasets for the Dhaka metropolitan network — a system that largely ran without a machine-readable map.
- Established data-integrity methodology and validation checks ensuring real-time accuracy; the dataset went on to improve transit coverage in Google Maps.

RESEARCH

Watch, Listen, Understand, Mislead: Tri-modal Adversarial Attacks on Short Videos for Content Appropriateness Evaluation
IEEE/CVF International Conference on Computer Vision (ICCV) · 2025

Introduces the SVMA short-video dataset and *ChimeraBreak*, a tri-modal attack pressuring visual, auditory and semantic reasoning pathways simultaneously. State-of-the-art multimodal LLMs fail at high attack success rates with distinct, nameable failure modes.

MIMIC: Multimodal Islamophobic Meme Identification and Classification

Muslims in ML Workshop, NeurIPS · 2024

A novel annotated dataset and a Vision-and-Language Transformer (ViLT) classifier that reads image and caption jointly, to catch context-dependent hate that is innocuous in either modality alone.

SELECTED PROJECTS

- PharmaGames AI — Product Owner and AI developer for a University of Alberta EdTech platform; a RAG system turning pharmacology lecture material into interactive in-class learning.
- Hashcache — Backend architecture for real-time QR scanning and reward tracking; REST APIs for authentication, collection and leaderboard scoring.

CORE COMPETENCIES

AI PRODUCT

Product vision and roadmap, backlog prioritisation, business requirements, MVP scoping, platform lifecycle management, pilot design

CONVERSATIONAL AI

Voice and chat agent design, LLM copilots, intent and dialogue design, escalation flows, response quality and safety standards

RESEARCH & DISCOVERY

Customer discovery, user research, journey mapping, service design, KPI definition, business case development

AI ARCHITECTURE

Custom fine-tuning, RAG, guardrail and safety models, agentic workflows, evaluation frameworks, prompt engineering

GOVERNANCE

Responsible AI frameworks, bias mitigation, regulatory alignment, model risk review, provenance and audit evidence

PLATFORMS & TOOLS

TELUS Fuel iX, Google Vertex AI, Python, REST APIs, AWS, Django, React, ClickUp; Dialogflow CX familiarity

EDUCATION

Bachelor of Science — Dual Major, Computing Science & Psychology
University of Alberta

Sep 2020 — Jun 2025 · Edmonton, AB

PROGRAMS & CERTIFICATIONS

- Amii Level Up — CTO Coaching Program Member, 2026/27 (Alberta Machine Intelligence Institute)
- MIT Solve — 2024 Solver Team, Indigenous Communities Fellowship
- Amii Machine Learning Foundations 1 & 2
- IBM Product Management: An Introduction · IBM Python for Data Science, AI & Development
- FinTech: Foundations, Payments and Regulations — University of Pennsylvania