

ARYAN AWASTHI

☎ +1 438-855-6936 ✉ Aryanbvp.09@gmail.com [in LinkedIn](#) [Github](#)

Education

Concordia University

Master of Applied Computer Science

August 2023 - May 2025

Montreal, Quebec

Amity University

Bachelor of Technology in Computer Science and Engineering

July 2017 - June 2021

Noida, India

Skills

Languages: Python, C++, JAVA, MySQL

AI/ML Frameworks/Libraries: Pytorch, Tensorflow(Keras), Scikit-learn, NumPy, Pandas, Matplotlib, XgBoost, LightGBM, ONNX, LangChain.

Back-End & API: FastAPI, Flask, Play Framework, Akka Actors, REST / WebSockets, gRPC

Cloud & MLOps: AWS(SageMaker, Lambda, S3, ECS), Azure ML,Docker, Kubernetes, MLflow, Kubeflow, GitHub Actions CI, SonarQube, Jenkins

Data & Vector Stores: Elasticsearch, PostgreSQL, Hadoop & Apache Spark,FAISS, pinecone

DevTools & Testing: Git, sbt &Maven, JUnit 5, Selenium, pytest, Streamlit, SonarQube, ,

Soft Skills: Analytical, Innovative, Creative, Ethical, Adaptable.

Experience

Tech Mahindra - Comviva

June 2021 - Aug 2021

TechOps Engineer

Gurugram, India

- **Developed a machine learning model** to automate transaction anomaly detection, reducing manual monitoring effort by **20%**.
- Designed **predictive analytics dashboards using Python & SQL**, enabling proactive issue resolution in banking transactions.
- Monitored transactions across 18 African countries 24x7, resulting in **15%** fewer critical incidents.
- Implemented new monitoring Dashboard, improving system reliability by **20%**.
- **Automated log analysis using NLP** (Logstash, Elasticsearch, Kibana), improving failure diagnosis speed by 30%.

Projects

Multi-Agent LLM Chatbot with Reinforcement Learning | Python, Llama3, LangChain, FAISS, FastAPI, Streamlit, RLHF | [GitHub](#) **April 2025**

- Built a multi-agent chatbot with **92% routing accuracy** and **87% response relevance**.
- Improved context retrieval **3x faster** using **FAISS Vector Store**.
- Trained reward model on **1000+ feedback logs** for RL-based response reranking.
- Reduced latency by **45%** and increased engagement by **35%** post-RLHF integration.
- Developed a **Streamlit dashboard** for analytics, feedback tracking, and **performance evaluation**.

TubeLytics v2 – Reactive YouTube Analytics Dashboard | Java, Scala, Play Framework, Akka Actors, WebSockets, Docker, GitHub Actions | [GitHub](#) **Dec 2024**

- Designed a real-time dashboard that streams channel, video, and tag analytics from the **YouTube Data API v3** via WebSockets for a smooth, refresh-free user experience.
- Introduced **Akka** actor supervision and request **caching**, trimming YouTube API calls by **60 %** in typical usage scenarios.
- Added word-frequency and tag-explorer modules that process **1 M** description words per query without blocking the main event loop.
- Achieved **90 %+** unit-test coverage on controllers and services with **JUnit 5** and **sbt CI** checks.

OpenTracks a Sport-Tracker | Java, Android SDK, Gradle,, Material Design, GitHub Actions | [GitHub](#) **April 2024**

- Implemented the new Aggregate-Statistics dashboard UI (**Issue #103**) to summarise distance, duration, pace & elevation across all recorded tracks, boosting usability for end-users and reviewers.
- Added a new “Announce average slope at end of recording” toggle in Settings → **Voice Announcements**, injecting climb-effort feedback into the existing **TTS pipeline**.
- Implemented the feature in 5 core classes across **220 LOC**, while keeping all legacy announcements intact.