

Arya Mazloomi

Machine Learning Developer | Software Developer

Toronto, ON | (XXX) XXX - XXXX | AryaMazloomi@Outlook.com | [LinkedIn](#) | AryaMazloomi.com

OBJECTIVE

Detail-oriented and self-motivated Software Developer with a BSc in Computer Science (Machine Learning specialization) from York University. Proficient in Python and ML libraries (scikit-learn, TensorFlow, OpenCV) with experience designing and deploying end-to-end ML and CV solutions. Proven ability to deliver results in both research-oriented and production environments. Strong background in backend development, automation, and deploying ML-powered web tools. Built and maintained over **15+ full-stack applications** and contributed to **10+ data science and AI projects**.

HIGHLIGHTED ML PROJECTS

Kaggle ML Challenge Solutions

Python, scikit-learn, Pandas, NumPy, Matplotlib

- Solved regression and classification problems using python (e.g., Wine Quality Prediction, Housing Price Estimation).
- Improved model performance up to +12% in F1-score by feature selection and hyperparameter tuning.
- Applied Random Forests, Logistic Regression, and Gradient Boosting; used OpenCV for optimization.

Computer Vision Toolkit – OpenCV Projects

Python, OpenCV, NumPy

- Built a suite of 6+ modules including edge detection, object tracking, and video stabilization.
- Deployed real-time computer vision on webcam feeds with < 100ms latency using optimized OpenCV operations.
- Achieved >90% tracking accuracy in controlled motion environments.

Local LLM Integration with Telegram

Python, Docker, Llama.cpp, Telegram Bot API

- Created a resource-efficient Telegram chatbot powered by locally-hosted LLMs, reducing hosting costs by 100%.
- Integrated GPU-accelerated model inference using Docker + llama.cpp (LLaMA 7B).
- Supported multi-user context retention and streaming responses with memory optimization.

Joe Rogan Experience Episode Recommendation System

Python, Pandas, CSV, Telegram Bot API, React

- Tagged and analyzed 2,000+ podcast episodes by guest, topics, and user interest.
- Built a Telegram bot with >150 active users/month and web interface using React + Flask.

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- Delivered real-time, personalized episode suggestions using intelligent tag matching.

EXPERIENCE

Web and Software Developer - *Freelancer*

MARCH 2023 - Present

- Built and deployed 15+ full-stack websites and apps with customized plugins, themes, and backend logic using Python, Javascript, Html, PHP
- Automated workflows for 3+ clients, including form handling, PDF generation, and dynamic email notifications (Zapier, Google Drive API).
- Integrated REST APIs for payments, shipping, and CRM tools, reducing manual effort by up to 60%.
- Implemented SEO and performance enhancements, achieving PageSpeed scores >90% and 30–40% load time reduction.
- Created EMR-integrated prescription tools for medical clients, ensuring 100% PHIPA compliance.

SKILLS

- Languages & Tools:** Python, JavaScript, PHP, Java, C++, HTML, CSS
- ML & Data Science:** scikit-learn, TensorFlow, OpenCV, XGBoost, LightGBM, Pandas, NumPy, Matplotlib, Seaborn
- Web & Backend Development:** FastAPI, Flask, Node.js, WordPress, Elementor, REST APIs
- Data & Deployment:** MongoDB, MySQL, SQLite, Docker, Streamlit, Plotly, Google Cloud Platform
- Versioning & Ops:** Git, Linux, CI/CD (basic), GCP SDK
- Other:** Feature Engineering, Model Evaluation, Prompt Engineering, SEO Optimization, Responsive Design

EDUCATION

BSc Honours in Computer Science (Machine Learning) - *York University*

2019 - 2022

BEng Electrical Engineering - *Amirkabir University*

2015-2019

CERTIFICATES

Google Generative AI Leader

Google Data Analytics Specialization

Google Advanced Data Analytics Specialization