Ammar Alzureiqi

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EXPERIENCE

Software Developer   Sept. 2024 – Present
Alzureiqi Solutions   London, ON

- IDA Academy: Streamlined LMS migration and optimization, significantly reducing system load times and enhancing student engagement; developed integrated marketing website with custom student portal enabling real-time progress tracking for students, teachers, and administrators
- The Wellness Network: Designed and deployed a self-service CMS platform for the organization's website, allowing the marketing team to independently manage content, events, and initiatives without technical support.
- Arqam SIL: Led comprehensive community census development and data analysis for thousands of responses, uncovering key demographic insights and community challenges that directly informed program improvements and resource allocation decisions

Software Engineer   May 2024 – Oct. 2024
CensusX.ai   Toronto, Ontario

- Developed an AI-powered business assistant that integrates with POS systems to surface real-time insights through natural language queries, streamlining business decision-making for clients.
- Designed and implemented a scalable ETL pipeline using Apache Spark, Kafka, and Airflow to support reliable ingestion and transformation of large-scale business data for downstream analytics.
- Built a Retrieval-Augmented Generation (RAG) pipeline using LLAMA 3.1 70B to enable personalized, context-aware business recommendations based on user data and historical trends.

Software Developer Intern   Jan. 2023 – Aug. 2023
MK Bookkeeping and Tax Services   London, ON

- Built an employee timekeeping system, with features like role-based access, automated timesheets, and real-time dashboards. Improving payroll accuracy and reducing admin overhead.
- Created an automated invoice processing system with OCR and data extraction tools, significantly reducing manual input and improving bookkeeping accuracy.

EDUCATION

University of Illinois Urbana-Champaign   Champaign, IL
Master's of Science in Computer Science — GPA: 4.0   May 2023 – Dec. 2024

- Relevant Coursework: Advanced Machine Learning, Statistical Modeling, Database Systems, IoT

Western University   London, ON
Honor's Bachelor's of Science in Statistics — GPA: 3.9   Sep. 2017 – Apr. 2021

- Relevant Coursework: Probability Theory, Statistical Inference, Regression Analysis, Multivariate Statistics, Data Science, Machine Learning, Time Series, Applied Linear Models, Computational Statistics

PROJECTS

Hirestack | Python, Django, AWS Lambda, DynamoDB, Next.js   Live Demo: [Hirestack](#)

- Architected a serverless backend using AWS Lambda, DynamoDB, and API Gateway to periodically ingest and consolidate job listings from multiple external sources.
- Built a scalable ETL pipeline with schema validation, deduplication, and ML-driven tagging to enable efficient search, personalized filtering, and automated job alerts.

RetailPulse | Python, OpenCV, FastAPI, Streamlit, Docker   GitHub: [RetailPulse](#)

- Developed an IoT-based People Counter application using Raspberry Pi, leveraging computer vision (OpenCV, PyTorch) for accurate real-time customer detection and tracking in retail environments
- Designed and implemented a scalable backend infrastructure using FastAPI, WebSockets, and Uvicorn, enabling instant data processing and visualization for actionable retail store optimization insights

TECHNICAL SKILLS

Languages: Python, R, Go, Java, JavaScript, HTML/CSS, and SQL
Tools and Technologies: Flask, Django, AWS, Docker, Kubernetes, OpenCV, React, Git, PyTorch, Matplotlib, TensorFlow, Keras, NumPy, Pandas, Power BI, MySQL, MongoDB, PostgreSQL, DynamoDB, REST, Apache Airflow