Andrew Daniel Singari

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WORK EXPERIENCE

Machine Learning Engineer Intern May 2024 - Present

SightSage Food and Nutrition Inc.

– Developed and deployed predictive models in Python and R using TensorFlow and Keras, focused on analyzing customer behavior to enhance e-commerce strategies through a web-based administration platform.

– Implemented and fine-tuned machine learning algorithms to optimize recommendation engines, achieving a 15% increase in customer engagement, and integrated solutions via RESTful APIs into existing web applications.

– Conducted extensive data preprocessing and feature engineering to improve the accuracy and performance of predictive models, leveraging automation scripts to streamline data workflows.

Machine Learning Engineer Intern Aug 2023 - March 2024

Coast Spas Manufacturing

– Developed an AI-driven system utilizing machine learning models like collaborative filtering using Python and integrating it into a Laravel application through Azure API Management & Hybrid Connections.

– UI-UX with React for multiple B2B and B2C websites and their integrations with Syspro Windows ERP for automated entering of sales orders and invoices.

– Completed the migration of our OAuth system while ensuring zero-downtime using PHP and C#.

– Automated and shipped a warranty portal application to track claims and spa registrations. Integrated with Microsoft Dynamics 365 CRM & Syspro ERP system:

Machine Learning Engineer (Contract) June 2021 - July 2023

Worldlink Exports

– Implementation of a scalable, cloud-based data processing and analytics platform, integrating machine learning algorithms for automated data preprocessing pipelines, reducing preprocessing time by over 30%.

– Created custom Power BI reports for clients, utilizing DAX queries on multiple tables. Reduced manual intervention by 25%, resulting in time saving and enhanced productivity.

– Skills: Front-End Development, Databases, Web Development, Git Node JS, React, Power BI: Power Query, MDX, DAX, AWS

EDUCATION

Trinity Western University

BSc Computer Science

SKILLS

Programming Languages	Python, Java, C++, R
Machine Learning Tools	TensorFlow, PyTorch, Keras, Scikit-learn
Data Analysis	Data preprocessing, Feature engineering, Data visualization
Deep Learning	Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Generative Adversarial Networks (GANs)
Model Deployment	Docker, Kubernetes, AWS, Azure ML
Version Control	Git, SVN