Nevin Toms

Etobicoke, Ontario, M9W 5N9   Phone: +1 (437)-566-4973
nevintoms.ca@gmail.com   LinkedIn: nevin-toms-5a46b5160

WORK EXPERIENCE

Junior Data Scientist   Jan 2023 – August 2023

Prevalent AI, India

- Designed and implemented a recommendation engine to provide personalized recommendations, contributing to enhance overall security scores.
- Applied ARIMA time series forecasting techniques to predict the end-of-life for systems which contributed to proactive maintenance and resource allocation reducing downtime and operational costs.
- Employed Natural Language Processing (NLP) techniques and similarity matrices to normalize software names, enhancing data consistency.
- Utilized NLP to extract consequences from vulnerability descriptions which helped to improve the understanding of potential security risks, aiding in more effective vulnerability management.
- Utilized clustering, fuzzy logic, and Soundex algorithms in Python to normalize similar names represented in different forms into a unified format which helped improve data quality and accuracy.

Junior Data Analyst   July 2021 – Dec 2022

Prevalent AI, India

- Conducted analytics on several types of Cyber data, including HR, Azure, Active Directory, Mobile Device Management, Endpoint Detection and Response, Vulnerability Management, ITSM, Identity and Access Management.
- Solely responsible for the entire vulnerability management system (Qualys), was able to build 13 control effective indicators and one exposure dashboard to enhance security and risk assessment
- Developed an Inventory Model to track and record clients' assets, covering aspects such as Person, Host, Identity, and Vulnerability which helped to improve data accuracy and reduce development time for subsequent analytics.
- Automated API processes using Python for efficient data retrieval and integration.
- Collaborated with stakeholders and various business units to align analytics with strategic objectives
- Designed analytics solutions using Python and Tableau, enabling data-driven decision-making.

EDUCATION

Graduate Certificate— Artificial Intelligence with Machine Learning   September 2023 – August 2024

Humber College, Toronto, ON

Bachelor of Technology— Computer Science and Engineering   August 2017 – July 2021
Model Engineering College, Kerala, India

SKILLS

Programming Languages: Python (NumPy, Pandas, scikit-learn), SQL
Data Analysis and Visualization: Matplotlib, Seaborn, Tableau
Tools: Jupyter, Git, TensorFlow, Keras
Data Manipulation: Data wrangling, Feature Engineering
Databases: SQL, NoSQL
Big Data Technologies: Hadoop, Spark, Pysaprk

Statistical Analysis:	Hypothesis testing, A/B testing, Regression Analysis
Data Preprocessing:	Data cleaning, Normalization, Scaling
Version Control:	Git and GitHub
Project Management:	Agile, Scrum, Jira, Confluence
Machine Learning:	Supervised and Unsupervised Learning, Neural Networks, NLP

PROJECTS

MNIST Data Classification using Machine Learning

Applied machine learning techniques to classify handwritten digits in the MNIST dataset. Through meticulous data preprocessing, algorithm selection, and hyperparameter tuning, I created a high-precision model. This model was deployed, enabling real-time recognition of handwritten digits, and the entire project was documented comprehensively for replicability.

Text Translation using AWS Services

Leveraging Amazon Web Services (AWS), I developed a robust and scalable text translation system that effectively addressed language barriers and enriched our global engagement which helped at enhancing multilingual communication and global accessibility.

Serverless Optimization with AWS Lambda Functions

Design and implementation of a serverless architecture leveraging AWS Lambda functions to significantly enhance operational efficiency and scalability within our cloud-based ecosystem. By developing a series of Lambda-based solutions, we were able to streamline workflows, reduce infrastructure costs, and ensure highly responsive, event-driven functionality for our applications.

AWARDS AND HONOURS

Prevalent AI Best Performer Award   August 2022

Awarded the focused award in recognition of the remarkable accomplishments that showed a strong sense of direction toward achieving success.

Prevalent AI Hackathon Runners Up   December 2021

A 24-hour hackathon where we developed an inventory that visually represented all the company's vulnerabilities and risks.

Marketing Subhead   July 2019

Assigned as the regional marketing subhead for Excel 2019, a tech fest in Model Engineering College.