ELENOR SCHWICKRATH

Machine Learning Engineer

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Detroit, MI

PROFILE

As a Machine Learning Engineer with over 3 years of experience, I have developed deep expertise in working with Machine Learning algorithms and technologies. I have a strong background in developing and deploying ML models for a variety of use cases. I am highly proficient in Python and its ML libraries, such as TensorFlow, Scikit-Learn, and Pandas. I have a proven track record of success in designing and building ML models that have enabled organizations to gain insights from their data and drive tangible business value. I am well-versed in the latest trends and techniques in Machine Learning and have experience in deploying ML models on cloud platforms. My experience also includes data engineering, data visualization, and data cleaning. I am eager to use my knowledge and experience to solve complex problems and help organizations realize their potential.

LINKS

linkedin.com/in/elenorschwickrath

SKILLS

Python

Data Analysis

Algorithm Design

Machine Learning Models

Data Visualization

Statistical Modeling

Deep Learning

EMPLOYMENT HISTORY

Lead Machine Learning Engineer at Google, MI

Nov 2022 - Present

- Developed a Machine Learning model to improve Google's search engine accuracy by 10%, resulting in an average of 5 million additional searches per month.
- Developed and launched an automated system for detecting malicious activity on the network, reducing false positives from 50% down to 2%.
- Led a team of five engineers working collaboratively on creating new algorithms that improved speech recognition software performance by 20%.
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- Improved customer service response time using natural language processing (NLP) techniques, decreasing wait times from 30 minutes to 3 seconds.

Senior Machine Learning Engineer at Microsoft, MI

Aug 2020 - Sep 2022

- Developed a machine learning model that increased the accuracy of facial recognition software by 20%, enabling Microsoft to better serve its customers.
- This was achieved through optimizing hyperparameters, feature engineering and data pre-processing techniques.
- Led an AI team in designing real-time analytics solutions for customer engagement on Microsoft's mobile platform which resulted in 25% increase in user experience ratings from users within 6 months period.
- Developed automated predictive models using deep neural networks resulting into 10 times faster response time with 99 percent precision rate compared to previous system used at MI office .
- Built scalable distributed architecture based upon containerized microservices deploying ML applications across multiple clusters leading to reduction of operational cost up to 30%.

EDUCATION

Bachelor of Science in Machine Learning Engineering at Michigan State University, MI

Sep 2016 - May 2020

Relevant Coursework: Probability and Statistics, Linear Algebra, Calculus, Algorithms and Data Structures, Computer Architecture, Machine Learning, Artificial Intelligence, Natural Language Processing.

CERTIFICATES

AWS Certified Machine Learning – Specialty

Nov 2021