Sharday Bourgeault

Machine Learning Engineer

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Profile

I am a Machine Learning Engineer with over 3 years of experience in the field. I have a strong background in the development of deep learning algorithms and software for a variety of industries. I have a deep understanding of machine learning algorithms such as Neural Networks, Support Vector Machines, and Decision Trees. I am also proficient in various programming languages such as Python, Java, and C++. My experience includes developing and deploying machine learning models for applications such as natural language processing and computer vision. I am familiar with big data analytics tools such as Apache Spark and Hadoop. Additionally, I have extensive experience with cloud computing and distributed systems. My expertise lies in the development of reliable and efficient machine learning systems that can be deployed in production environments.

Employment History

Lead Machine Learning Engineer at ApprenNet, NM
Dec 2022 - Present

- Developed a deep learning model that achieved 95% accuracy in predicting student's performance on exams, resulting in an 8% increase in overall course completion rate.
- Led a team of four engineers in the development of a novel reinforcement learning algorithm for ApprenNet's virtual tutoring platform, resulting in a 20% reduction in average tutoring session time.
- Created a natural language processing model that achieved 97% accuracy in automatically grading student essays, leading to a 10% decrease in manual grading time.

Senior Machine Learning Engineer at Deep Learning Technologies, NM
Jul 2020 - Oct 2022

- Developed a machine learning algorithm that increased the accuracy of image recognition by 20%, resulting in a 40% increase in customer satisfaction and a 10% reduction in customer support costs.
- Implemented a deep learning model to automate the customer segmentation process, reducing the time taken to identify and target key customer segments by 50%.
- Led a team of 5 engineers in creating an AI-driven customer service chatbot, resulting in a 30% increase in customer satisfaction and a 25% decrease in customer service cost.

Certificates

Certified Machine Learning Engineer (CMLE)
Dec 2021

AWS Certified Machine Learning – Specialty
Jul 2020

Education

Bachelor of Science in Machine Learning Engineering at New Mexico State University, Las Cruces, NM
Sep 2016 - May 2020
Relevant Coursework: Algorithms, Applied Mathematics, Computer Vision, Machine Learning, Data Mining, Deep Learning, Natural Language Processing.

Links

linkedin.com/in/shardaybourgeault

Skills

Programming

Mathematics/Statistics

Data Analysis/Visualization

Algorithm Design & Development

Machine Learning Frameworks (e.g., TensorFlow, Scikit-Learn)

Cloud Computing Platforms (e.g., AWS, Azure)

Software Engineering

Languages

English

Italian