NLP DATA SCIENTIST

Data Scientist | NLP Expert | Document Analysis

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STRENGTHS

Project Management
Managed multiple complex data science projects successfully resulting in significant improvements like a 30% increase in data accuracy.

Problem Solving
Skilled in identifying problems and implementing effective solutions, like optimizing a recommender system increasing user engagement by 20%.

SKILLS

Machine Learning

Computer Vision

Deep Learning   NLP

Python   TensorFlow

Pytorch   Document Analysis

Java

Multi-threaded Programming

AWS   Image Classification

Object Detection

Segmentation

Layout Analysis

CERTIFICATION

Advanced Machine Learning Specialization
Offered by University of Washington through Coursera

Deep Learning Specialization
Offered by deeplearning.ai through Coursera

SUMMARY

Passionate Data Scientist with over 6 years of professional experience focused on NLP and computer vision. Skilled in Python, experimented in using TensorFlow and Pytorch for building and training models, and proficient in document analysis and recognition. Significant contribution in a project which extracted complex data from urban planning documents using machine learning.

EXPERIENCE

Data Scientist
Microsoft   📅 2020 - Present   📍 Austin, Texas

Worked on various projects involving data analysis, model development and optimization
- Developed and implemented NLP models for sentiment analysis, entity recognition, relation extraction, etc.
- Analyzed the data using Python libraries such as Pandas, Scikit-Learn, TensorFlow to extract features and built statistical models in Python/JavaScript based on ML algorithms like SVM, Logistic Regression, Neural Networks.
- Used tools such as AWS SageMaker (Python) or Azure Machine Learning Studio (C#) to deploy trained model into production environment with minimal code required by developers.
- Worked closely with product managers and software engineers to understand requirements and translate them into technical specifications that can be used by machine learning engineers to build solutions quickly.
- Collaborated with other teams across Microsoft including marketing research & insights team to identify opportunities where AI could add value for customers and partners of Microsoft 365 Ecosystems

Data Analyst
Apple   📅 2018 - 2020   📍 Austin, Texas

- Created a machine learning model to predict customer churn based on historical data, reducing the company's churn rate by 5%
- Built an NLP system that automatically classified emails as spam or not spam using natural language processing techniques
- Developed and maintained a sentiment analysis tool for use in market research surveys (Python)
- Improved the accuracy of email classification from 85% to 95% through feature engineering and regularization techniques
- Implemented a web crawler to collect training data for text classification models (Scrapy + Python)

Machine Learning Intern
Facebook   📅 2017 - 2018   📍 Austin, Texas

Assisted in developing machine learning models for various applications
- Participated in a project to enhance user personalization, improving user experience significantly
- Assisted in creating an AI model which reduced fake news detection time by 25%
- Contributed in advancing an image classification system which boosted output accuracy by 20%

EDUCATION

M.S. in Data Science
University of Texas at Austin   📅 2016 - 2018   📍 Austin, Texas

B.S. in Computer Science
University of Houston   📅 2012 - 2016   📍 Houston, Texas