John Smith

Senior Python Developer and Machine Learning Engineer

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Summary

Experienced Python developer with a passion for solving complex problems and building scalable and efficient systems. Proven ability to deliver high-quality software on time and on budget. Skilled in a variety of technologies, including machine learning, data analysis, and cloud computing. Seeking a challenging position as a Machine Learning Engineer.

Professional Experience

ABC Company

Senior Python Developer, 2021 - Present

Developed and maintained a scalable and secure API for a leading e-commerce platform using Python, Django, and AWS.

Designed and implemented a real-time recommendation system using collaborative filtering and matrix factorization.

Improved the accuracy of a fraud detection system by 20% using machine learning algorithms such as XGBoost and Random Forest.

XYZ Corporation

Python Developer, 2019 - 2021

Built and deployed a machine learning pipeline for a customer retention model using Python, Scikit-Learn, and AWS.

Automated the deployment of data science models into production using Kubernetes and Docker.

Led a team of 3 developers to develop a real-time chatbot using natural language processing techniques.

DEF Inc.

Software Engineer, 2017 - 2019

Worked on a large-scale distributed system for a leading financial services company using Python and Spark.

Designed and implemented a data pipeline for ingesting and processing large amounts of financial data using Apache Kafka and Apache Hadoop.

Developed a time-series forecasting model for predicting stock prices using Prophet and ARIMA.

Projects

Image Recognition using Convolutional Neural Networks

Built a deep learning model for image recognition using TensorFlow and Keras.

Achieved 90% accuracy on the CIFAR-10 dataset.

Deployed the model using AWS Lambda and API Gateway.

Fraud Detection using Graph Analytics

Developed a graph-based algorithm for fraud detection using Neo4j and Python.

Reduced the false positive rate by 30% compared to the previous rule-based system.

Visualized the graph using D3.js and Flask.

Sentiment Analysis using Recurrent Neural Networks

Built a sentiment analysis model using LSTM and Word2Vec.

Achieved 85% accuracy on the IMDb dataset.

Deployed the model using Flask and Docker.

Recommendation System using Collaborative Filtering

Designed and implemented a collaborative filtering algorithm for a movie recommendation system.

Improved the accuracy of the system by 25% compared to the previous model.

Deployed the model using AWS SageMaker and Lambda.

Education

Master of Science in Computer Science, XYZ University, 2017

Bachelor of Engineering in Computer Science, ABC University, 2015

Skills

Programming languages: Python, Java, C++

Machine learning frameworks: Scikit-Learn, TensorFlow, Keras, PyTorch

Data processing frameworks: Spark, Hadoop, Kafka

Cloud computing: AWS, GCP

Databases: SQL, MongoDB, Neo4j

Web frameworks: Django, Flask, React