FAIQ ALI

Data scientist

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WORK EXPERIENCE

Entry-level Data scientist

Data Pilot

Jul 2022 - Nov 2023

- Constructed a predictive model that accurately forecasts stock prices with excellent accuracy of 90% using time-series analysis.
- Developed an automated machine learning model deployment pipeline that reduced the time-to-deployment from weeks to minutes.
- Analyzed and visualized large datasets to uncover key insights, resulting in a 11% increase in revenue of the company.
- Collaborated with cross-functional teams to identify and resolve data-related issues, resulting in a remarkable improvement in data accuracy.
- Developed a program in SAS that automated refinement of linear regression models for specific segments of a customer base that saved 22 hours of labor per month.
- Designed a model in a Data Pilot to increase incentives for drivers during peak hours, increasing driver availability by 22%.

Data Scientist-Freelancer

- Utilized data visualization tools to create interactive graphical representations of financial data.
- Received, cleaned, and prepped data from client using SAS, SQL, and Excel to help data scientists build marketing mix models that resulted in a lift in ROI of 10 basis points.
- Originated an enterprise data model that integrated data from multiple sources and enabled consistent data access across the organization.
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- Implemented various time series forecasting techniques to predict surge in orders, lowering customer wait by 10 minutes

PROJECTS

Fake News Detection on social media using ML

- Collected and labelled datasets for training and testing the machine learning models.

CAREER OBJECTIVE

My career objective as a data scientist is to leverage my analytical skills, statistical knowledge, and programming expertise to extract meaningful insights from complex datasets. I aspire to contribute to the advancement of data-driven decision-making processes, enabling organizations to make informed choices that drive innovation and business success. With a passion for uncovering patterns and trends, I seek to apply machine learning algorithms and predictive modeling techniques to solve real-world problems. Additionally, I aim to collaborate with cross-functional teams, bridging the gap between technical and non-technical stakeholders by effectively communicating the implications of data analyses. As a dedicated data scientist, my goal is to continually expand my skill set, stay abreast of emerging technologies, and make a significant impact in transforming raw data into actionable intelligence for strategic and operational improvements.

EDUCATION

Machine Learning, Stanford University

2023

IBM Data Science, IBM

2023

SKILLS

- Python(NumPy, Pandas, Scikit-learn, Keras, TensorFlow)

- Designed and implemented a pipeline for preprocessing the data, including cleaning and feature extraction.
- Developed and optimized various machine learning models for fake news detection, including logistic regression, decision trees, and random forests.
- Evaluated the performance of the system using various metrics, such as accuracy, precision, recall, and F1 score.
- Implemented the system using Python, scikit-learn, and NLTK.

Sentiment Analysis for Customer Feedback in E-commerce

- Gathered a diverse dataset of customer reviews from various e-commerce platforms. Manually labeled the dataset to create a ground truth for training and testing the machine learning models.
- Designed and implemented a robust data preprocessing pipeline. Conducted text cleaning, tokenization, and removed stop words to enhance the quality of textual data.
- Explored and implemented multiple machine learning algorithms, including Support Vector Machines (SVM), Naive Bayes, and neural networks like LSTM (Long Short-Term Memory).
- Fine-tuned hyperparameters to optimize the models for sentiment classification.
- Evaluated the performance of the sentiment analysis system using metrics like accuracy, precision, recall, and F1 score.
- Deployed the trained sentiment analysis models into a scalable and efficient system. Integrated the system with existing e-commerce platforms to provide real-time sentiment analysis for incoming customer feedback.

- SQL
- R
- Data Analyst
- Data Cleaning and Preprocessing
- Data Visualization(Matplotlib, Seaborn, Plotly, Folium, Dash)
- Advance Learning Algorithms
- Supervised Learning(Regression and
- Classification)
- Unsupervised Learning
- Recommenders
- Reinforcement Learning