Rajeev Ramesh Data Scientist

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Profile

Data Scientist with 2+ years of experience in statistical analysis, machine learning, and data modeling. Proficient in Python, R, Power BI, and Tableau. Good Knowledge of optimizing processes and driving informed decision-making. Skilled in developing solutions for business challenges. Seeking to apply analytical skills to contribute to a growth-focused organization.

Skills

Languages
Python, SQL, R Programming, Java, JavaScript, C, C++, MATLAB

Data Processing & Streaming
PySpark, Apache Kafka, Pandas, NumPy, Airflow, Snowflake, ETL, NLTK, SciPy, SpaCy, OpenCV, NoSQL

Artificial Intelligence
Machine Learning Algorithms, Random Forest, Linear Regression, SVM, Decision Tree, ARIMA, TensorFlow, Keras, Sci-kit Learn, Deep Learning Algorithms, YOLO, ResNet50, LSTM, K-means Cluster, VGG16, GAN, CNN

Frameworks and Tools
Flask, Django, MySQL, PostgreSQL, MongoDB, Git, GitHub, Docker, CI/CD pipelines, Jenkins, Statistics, Power BI, Tableau, HTML, CSS, Node.js, Express.js, RESTful APIs, Agile

Professional Experience

Data Scientist, *Cognizant*   02/2023 – Present │ Remote, USA
- Conducted data-driven analysis to explore correlations between age and accidents, leveraging Python and Natural Language Processing (NLP) techniques, analyzing a dataset of 10,000 accident reports.
- Engineered a Text Summarizer project employing advanced NLP methodologies to distill key information from lengthy texts, achieving a summarization accuracy of 85%.
- Developed robust Machine Learning algorithms, utilizing a dataset of 50,000 records, to discern the relationship between age demographics and accident occurrences, achieving a predictive accuracy of 90%.

ML Engineer, *Eitacies Inc*   06/2023 – 08/2023 │ Santa Clara, USA
- Demonstrated significant work in Python and Machine learning in project Not Safe For Work Content Detection
- Created NLP models to analyze and process text data for NSFW content detection.
- Implemented techniques such as sentiment analysis, text classification, and language modeling to identify inappropriate content
- Collaborated with team members in Data mining, Data Preparation, Quality assurance and generated weekly reports
- Utilized transfer learning techniques with VGG16, ResNet to enhance the accuracy of NSFW classification.
- Evaluated model performance using appropriate metrics, considering factors like precision, recall, and F1 score.

Data Scientist, *Genpact*   04/2022 – 07/2022 │ Pune, India
- Implemented Python and SQL for automated extraction and cleansing of diverse data sources, leading to a 15% reduction in credit risk exposure.
- Utilized machine learning algorithms (logistic regression, random forests, gradient boosting) to construct models, resulting in a 10% decrease in default rates.
- Assessed model effectiveness for credit risk performance accurately using precision, recall, F1-score, and ROC AUC.
- Contributed to enhanced loan approval processes through advanced model implementation, optimizing decision-making with a data-driven approach.

Data Engineer, *Kipi.Bi*   03/2021 – 03/2022 │ Pune, India
- Acquired certification, showcasing mastery in Snowflake's data warehousing platform.
- Completed specialized training to adeptly meet project requirements using Tableau.
- Developed Python scripts for intricate ETL processes, demonstrating problem-solving skills in data engineering.
- Applied advanced data analysis techniques to derive actionable insights, contributing to informed decision-making.

Education

Master of Science, *University at Buffalo*   08/2022 – 12/2023 │ Buffalo, USA
Data Science and Applications

Bachelors of Engineering,   08/2017 – 05/2021 │ Pune, India
International Institute Of Information Technology
Computer Science