Ajay Kumar Raju Kalidindi

Data Scientist | (475)-276-9043 | Stamford, Connecticut | Willing to relocate
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Education

Master of Science in Business Analytics and Project Management | Aug 2021 – May 2023
University of Connecticut, United States | GPA: 3.8/4.0

Bachelor of Technology in Computer Science | June 2016 – July 2020
Gitam University, India | GPA: 3.3/4.0

Work Experience

American Covenant Financial Services | Stamford, CT | Graduate Student – Capstone | Jan 2023 – May 2023

- Identified uninsured, under covered, and/or overpaying customers in Low- and Moderate-Income communities as target demographics to help agents prioritize sales approach and increase policy sales growth
- Extracted and integrated data from multiple sources, including Census APIs and third-party survey data, using ETL techniques to conduct comprehensive data analysis and gain insights into customer behavior and preferences
- Developed interactive KPI dashboards using Tableau that will help track agency activity, providing a clear overview of progress, and performance
- Using Python, built a multi-target pricing model using a deep learning model to determine the competitive premium per policy for a given property

JobTarget | Stamford, CT | Data Science Intern | Aug 2022 – Dec 2022

- Developed a machine learning model that estimates the activity, reach and, responses on a potential opening to improve the efficacy of the job posting and reduce the time to hire
- Leveraged ETL techniques to extract data from a SQL database and public data sources and applied numerical embeddings to extract the semantic meaning and reduce the dimensionality of text data
- Designed an internal evaluation tool to assess job board performance based on the revenue generated by campaigns and survey analysis

Noteworthy AI | Stamford, CT | Data Science Intern | May 2022 – July 2022

- Improved the performance of Noteworthy AI's Inspector Edge solution by generating synthetic images using Generative Adversarial Networks (GANs) to enhance the learning capabilities of the AI-enabled defect detection system
- Applied data augmentation techniques to images taken by the mounted cameras on existing fleet vehicles to artificially increase inventory with a wide range of realistic transformations
- Implemented Blur Detection techniques through OpenCV to improve the quality of the images and better detect corrosion and damage to electric poles and components

Skills

Programming Languages: C | C++ | Python | R | Java | SAS | JMP
Databases: PostgreSQL | Oracle | Microsoft SQL Server | Mongo DB
Data Science: Exploratory Data Analysis | Feature Engineering | Data Visualization | NLP Techniques | Neural Networks | Statistical methods | A/B Testing | ETL | Pipelines | Data Mining | Predictive Modeling | Machine Learning Algorithms | Classification | Regression | Linear Regression | SVM | Random Forest | Decision Trees | Neural Networks
Technologies & Libraries: Data Structures and Algorithms | Microsoft Excel | Salesforce | NumPy | Pandas | Matplotlib | Seaborn | SciPy | Scikit-learn | TensorFlow | GitHub | Git | Tableau | Power BI | AWS | Sagemaker | Hadoop | Hive

Academic Projects

Real-time Stock market data analysis using Apache Kafka and AWS

- Developed a highly efficient and scalable real-time data pipeline using Apache Kafka and AWS to seamlessly ingest, process, and store stock market data in S3 buckets
- Utilized Amazon EC2 instances to deploy and manage the server infrastructure, including running Apache Kafka, for the efficient and scalable processing of stock market data in real-time
- Utilized Amazon Athena and Amazon Quick Sight to enable seamless data analysis and created interactive dashboards to show the performance of the portfolio and a watchlist for stocks for data-driven decision-making

Book Recommender System using Python, and Machine Learning

- Leveraged natural language processing techniques to analyze book descriptions and user reviews, enhancing the relevance of recommended books and delivering an improved user experience
- Developed a book recommender system using collaborative filtering, suggesting books based on a user's reading history and preferences to enhance user satisfaction and promote book sales
- Evaluated the diversity of book recommendations using intra-list diversity and coverage metrics, ensuring that the recommended books were distinct from each other and increasing the likelihood of varied reading options

Achievements

- Passed the AWS Certified Cloud Practitioner (CLF-C01)