Delisha Shaji

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OBJECTIVE

Seeking a full-time position in AI/ML or data science field where I can design and communicate high-level structural and behavioral aspects of systems.

EDUCATION

University Of Wollongong in Dubai, UAE - Bachelor of Computer Science (Big Data)   2021-2024

Related Projects

Implementation of Data Lake Architecture

- Built a Recommendation system solution design for products for a fictitious e-commerce website using PySpark in Azure DataBricks for university project to build a data lake.

AI based subscription management system and App usage Analytics

- Built machine learning models for an Android mobile app to generate AI based recommendations to the user (KNN and SVD) and deployed it to Android using Flask and React Native.

AI-based Chrome Dino Game

- Built a reinforcement model for the T rex Game to automate it.

Airfoil Noise Prediction using Machine Learning

- Performed efficient Data Preprocessing on the NASA Airfoil Self Noise dataset, created a ML pipeline to construct a model that will predict the Sound Level to efficiently design airfoils for use in planes and sports cars.

ML based Accident Surveillance System

- Developed a system that uses predefined text-based descriptions of incidents to automate video surveillance and incident tracking.

CERTIFICATIONS

- Career essentials in Generative AI by Microsoft and LinkedIn
- IBM Machine Learning with Apache Spark

WORK EXPERIENCE

Cognizant Artificial Intelligence Job Simulation on Forage - March 2024

- Conducted EDA and trained a model to print the performance metrics for the Machine Learning engineering team.
- Communicated findings and analysis in the form of a PowerPoint slide to present the results back to the business.

British Airways Data Science Job Simulation on Forage - April 2024

- Scraped and analysed customer review data to uncover findings.
- Built a predictive model to understand factors that influence buying behaviour.

AI Intern at DP World, Dubai - August 2024 to present

- Performed EDA, Data Preprocessing and cleaning , Data Visualization, Data Evaluation and Predictive Modelling on HR Data to build an employee attrition model on PowerBI. Also implemented ensemble methods like bagging and boosting to improve accuracy.
- Conducted research on how to apply concepts of Feature Engineering, Generative AI, Management Systems in HR department and communicated findings via reports.
- Performed data cleaning tasks to ensure data quality, including handling missing values, removing duplicates, and standardizing formats, setting constraints and data validation checks on Excel using macros to automate HR Data.
- Updated quarter or quarter HR Global reporting under Group People and assisted in collecting, organizing, and analysing HR data to support reporting and decision-making.
- Contributed to data audit to ensure accuracy, consistency, and quality of HR data and participated in different projects and initiatives within the department, contributing to continuous improvement and innovation in HR processes.

SKILLS AND ABILITIES

Skills: Azure SQL, PowerBI, SQL, Kafka, Hive, Hadoop, Apache Spark, Pig, Microsoft Azure, Python, Java, C++, Oracle, Azure Databricks, R, Flask, Kotlin, Problem solving, Leadership, Team Player.