LAXMAN YADAV MUSTI

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems   New York, NY
Master of Science (MS) in Data Science | **GPA: 3.88**   September 2022- May 2024

JNTUH College of Engineering Sultanpur   Sangareddy, India
Bachelor of Technology (B. Tech) in Civil Engineering | **GPA: 3.2**   August 2016- September 2020

RELEVANT COURSEWORK

Machine Learning | Python | Scalable Databases | Deep Learning | Big Data

TECHNICAL SKILLS

Programming Languages: Python, R, UNIX, HTML, PHP, Java script
Database Management: SQL, PLSQL, Oracle, MySQL, MongoDB
Data Visualization Tools: Matplotlib, Seaborn, Tableau, Power BI
Statistics: Statistical Analysis, Time-series Analysis, ANOVA, Hypothesis Testing, Bootstrapping.
Machine Learning: EDA, Neural Networks, Deep Learning, NLP, Computer Vision
Libraries: NumPy, Pandas, Scikit-learn, SciPy, TensorFlow, Keras
Big Data: Hadoop, Spark (PySpark), Microsoft Azure, AWS (EC2, S3, Lambda, API Gateway), Docker, Git, Azure Devops
Soft skills: Collaboration, Communication, Problem Solving, Leadership, Team Management, Stakeholder Management.

ACADEMIC PROJECTS

Breast Cancer Diagnosis Model   December 2023
- Developed a machine learning model using the Breast Cancer Wisconsin dataset to classify tumors as benign or malignant.
- Preprocessed data with Python and scikit-learn, handling missing values and scaling features.
- Implemented logistic regression, decision trees, and random forests, achieving over 95% accuracy.

Urban Scene Semantic Segmentation   February 2024
- Created a semantic segmentation model using computer vision and deep learning to classify objects in urban scenes.
- Utilized Python, TensorFlow, and Keras, with data preprocessing in NumPy and Pandas.
- Trained on a mapillary.com dataset, achieving over 90% accuracy through hyperparameter optimization.

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Ltd.   Hyderabad, India
Systems Engineer   October 2020 – July 2022

Project 1: Performance Optimization and Data Migration
- Developed a performance optimization model using SQL, resulting in a 60% reduction in the execution time of data migration processes.
- Created PLSQL scripts for data migration and performance optimization, leading to a 40% increase in productivity.
- Utilized ETL tools, including Oracle Data Integrator, to streamline data transformation and loading processes.
- Collaborated with cross-functional teams to enhance team productivity through effective problem-solving and analytical skills.

Project 2: ASPM Enhancement and Data Solutions
- Improved the accuracy and efficiency of data pipelines using Python and Airflow, reducing data retrieval time by 30%.
- Developed predictive models with Scikit-learn and TensorFlow, increasing vulnerability detection rates by 20%.
- Implemented server-less ETL processes with AWS S3 and Airflow, enhancing data integration and processing efficiency.
- Established isolated data environments using MongoDB, ensuring data privacy compliance and robust multi-tenancy.
- Utilized Azure DevOps and Git for streamlined CI/CD processes, improving deployment efficiency and reliability.

CERTIFICATIONS

Applied Data Science with Python (IBM)   *https://www.credly.com/badges/4decc9f6-a113-4ff0-89f3-e2a2c4b1d1a5*
Responsive web design (freeCodeCamp)   *https://www.freecodecamp.org/certification/laxman_yadav/responsive-web-design*

ACTIVITIES

BCG Data Science Job Simulation on Forage - December 2023
- Conducted a customer churn analysis for XYZ Analytics. Utilized advanced data analytics skills to identify crucial client data and develop a strategic investigation approach.
- Performed efficient data analysis using Python, specifically utilizing Pandas and NumPy for data manipulation. Employed various data visualization techniques to interpret trends effectively.
- Successfully engineered and optimized a random forest model, achieving an 85% accuracy rate in predicting customer churn.