Palampalli Praneeth Kumar Reddy

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EDUCATION

Master of Science, Business Analytics(STEM-designated program)   07/23 - 06/24
University at Buffalo, The State University of New York   Buffalo, NY
Coursework: DBMS, R-Programming, Machine Learning, VBA, Statistical Analysis, Tableau, and Power BI

Bachelor of Engineering, Information and Technology   06/17 - 05/21
SRM Institute of Science and Technology   Chennai, India

TECHNICAL SKILLS

Tools & Languages: Jupyter, Visual Studio, Android Studio, Colab, Git, Excel, HTML, CSS, JavaScript, Python, R, SQL, Visual Basic for Application, Tableau, MATLAB, C programming
Database Systems: Oracle, MS SQL, SQLite, Mongodb
Libraries & Frameworks: React Js, React native, NLP, TensorFLow, Keras, Open CV, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, Beautiful Soup

PROFESSIONAL EXPERIENCE

Associate Software Engineer, Ernst & Young Global Limited, Pune, India   11/21 - 06/23
- Implemented a Power BI dashboard, yielding a 20% enhancement in API performance monitoring, displaying vital metrics like API hits, accepted and rejected policies
- Designed and implemented databases, achieving a 15% optimization in user data storage and retrieval efficiency for PAANS application
- Developed and maintained PAANS web application, utilizing React.js and React-Redux for state management
- Led certification initiatives with GIS, White Source, and Checkmarx, fortifying PAANS UI security and remediating 95% of vulnerabilities with efficacy
- Engaged with stakeholders across various projects, contributing to architecture discussions and requirements gathering, leading to a 15% improvement in project alignment

 Key Accomplishments:
- Awarded "SPOT Award" for enhancing data analytics processes by proficiently utilizing data-driven insights

Supply Chain Analyst, Agsdo Pvt Ltd, Kurnool, India   01/21 - 10/21
- Increased seed procurement efficiency by 15% through data-driven insights, leading to more informed inventory management decisions and cost savings
- Reduced stockouts by 20% through predictive modeling using sales data, improving production planning and meeting customer demand effectively
- Contributed to 10% revenue growth by capitalizing on emerging market trends through comprehensive market research and competitor analysis in the seed industry

PROJECTS

Telco Customer Churn [Git]
- Revitalized machine learning pipeline, boosting telecom customer churn prediction accuracy by 20% using TensorFlow and scikit-learn, leading to a reduction in customer attrition
- Addressing class imbalance using SMOTE increased minority class instances by 50%, resulting in a further 10% improvement in prediction accuracy, as measured by the area under the ROC curve

Red Wine Quality Prediction: A Multivariate Regression Analysis [Git]
- Utilized R to analyze physicochemical data of red wine variants, generating actionable insights for quality prediction, achieving a 15% increase in predictive accuracy compared to previous methods

Wordle Clone [Git]
- Developed a Wordle clone app using React.js, which replicates the popular word guessing game
- Achieved 15% improvement in user engagement through responsive design implementation

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals(AZ-900), Azure Data Fundamentals(DP-900), Azure AI Fundamentals(AI-900), Power Platform Fundamentals(PL-900), Azure Administrator(AZ-104)
Coursera: Machine Learning Fundamentals, Python Programming for Everybody