Meghana Bollepalli

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Education

University at Buffalo, The State University of New York	**Buffalo, NY**
MS Engineering Science, with a focus on Data Science	Jan 2022 – May 2023
Stanley College of Engineering	**Hyderabad, India**
Bachelor of Engineering in Computer Science and Engineering	Aug 2016 – Sept 2020

Technical Skills

Languages: Python, R, HTML, Matlab, SQL, Java.
Databases: MySQL, Postgre SQL, MongoDB.
Techniques: Microsoft PowerBI, Statistical Data Analysis, Tableau, Big Query, Advanced Excel.
Web Technologies & Tools: HTML5, CSS3, Apache Spark, Jupyter, Visual Studio, Flask, Salesforce, MS Office, R Studio, GIT.

Experience

Susheel Tvs — **Hyderabad, India**
Data Analyst — Sept 2020 – Nov 2021

- Utilized cutting-edge technologies to produce insightful dashboards to see estimated annual sales growth of 5% over previous year for 20 production sites.
- Analyzed key performance metrics of 10 different automobile models and built informative reports highlighting trends and insights, resulting in an 8% increase in sales.
- Performed rigorous analyses of customer & market data to pinpoint best sales strategy and explore different scenarios, resulting in 5% YoY increase in total sales.
- Aligned cross-functional strategies, fueling remarkable sales growth and business success through adept communication and synchronized teamwork.

Netlinx Limited — **Hyderabad, India**
Web Application Intern — May 2019 – Oct 2019

- Developed web-based platform enabling efficient and streamlined approach to student's questions to instructors reducing response time by 70%.
- Led cross-testing & debugging for desktop & mobile apps, delivering seamless execution and notably elevating customer satisfaction.
- Explored monthly reports and send a daily report of test results to team members using HTML.
- Swiftly resolved technical challenges in development, enhancing web platform functionality and elevating user experience for students and instructors.

Projects

Data Scientist Salary Prediction | Python

- Diligently performed comprehensive analysis to meticulously identify and project critical technology trends within the ever-evolving data science sector.
- Visualized past salary data to identify patterns and develop predictive models, reducing variance of predictions by 40%.
- Performed linear, lasso, ridge regressions to get accuracy of model to predict average salary.

Book Recommendation System | R

- Forged a robust recommendation system for 271,360 books and 278,000 users, amplifying user experience and engagement.
- Implemented content-based and collaborative filtering techniques to provide personalized book recommendations based on user preferences and book characteristics.
- Utilized data preprocessing techniques, such as feature selection and Gower distance method, to enhance accuracy of recommendation system and improve relevance of suggested books.

Breast Cancer Diagnosis | Python

- Estimated if a breast cell is malignant based on features extracted from digital photographs of cells.
- Executed SMOTE, Bagging, Random Forest algorithms to construct a predictive model of breast cancer diagnosis accuracy.
- Expertly recognized and selected bagging as the most optimal model for conducting insightful breast cancer analysis.

My Vehicle Resale Management System | SQL, HTML

- Spearheaded creation of an integrated solution, streamlining vehicle transactions, dealer insights, and inspections.
- Orchestrated teamwork in optimizing data retrieval, integrity and security through strategic views, procedures, and indexes.
- Enhanced data privacy with advanced encryption, safeguarding customer phone numbers with utmost confidentiality.

Netflix Data Analysis | Tableau

- Crafted an immersive tableau dashboard spotlighting movie ratings and trends, offering actionable insights into viewer preferences.
- Merged and visualized intricate data streams, facilitating strategic content decisions and refining user engagement strategies.