

Meghana Bollepalli

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Education

University at Buffalo, The State University of New York
MS Engineering Science, with a focus on Data Science

Buffalo, NY
Jan 2022 – May 2023

Stanley College of Engineering
Bachelor of Engineering in Computer Science and Engineering

Hyderabad, India
Aug 2016 – Oct 2020

Technical Skills

Languages: Python, R, SQL, HTML, MATLAB.

Technologies and Tools: Jupyter, Visual Studio, PostGRE sql, Flask, Salesforce, MS Office, R Studio, GIT, Tableau.

Experience

Susheel Tvs
Sales Analyst

Hyderabad, India
Oct 2020 – Oct 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.

Netlinx Limited
Web Application Intern

Hyderabad, India
May 2019 – Oct 2019

- Developed web-based platform enabling efficient and streamlined approach to student's questions to instructors reducing response time by 70%.
- Assisted with cross-testing & debugging for desktop & mobile applications, ensuring a seamless execution that improved customer satisfaction.
- Explored monthly reports and send a daily report of test results to team members using HTML.

Projects

Data Scientist Salary Prediction | Python

- Conducted an analysis to forecast and extract important data on technologies needed with in data science industry.
- 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

- Developed a comprehensive recommendation system for a dataset consisting of 271,360 books and 278,000 registered users, resulting in improved 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 the accuracy of the recommendation system and improve the 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.
- Identified bagging as most suitable model for breast cancer analysis.

Leadership / Extracurricular

Aasya Foundation
Volunteer

Hyderabad, India
June 2017 – Present

- Organized camps and household visits, leading a team of 10 volunteers to provide healthcare education and support to hundreds of individuals in need. Facilitated donations and resources for over 100 families, demonstrating strong leadership and coordination skills.