GANESH DHANAWADE

Data Scientist, Data Analyst

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Summary

Highly skilled and experienced Data Scientist with 2.5+ years of experience in Data Science and more than four years of a strong academic background in statistics. Proven ability to solve complex problems using Python, SQL, and create visually impactful dashboards in Power BI. Deep expertise in data preprocessing, predictive modeling, forecasting, optimization, and model evaluation, as well as advanced proficiency in text analysis using Natural Language Processing (NLP) and generative models.

EXPERIENCE

Data Scientist | Topia Technologies
Feb-2023 - Present

- Developing a model that surpasses the performance of widely-adopted market software by 20%.
- Create models for five different human drug toxicities with more than 80% accuracy.
- Led a team responsible for designing, implementing, and evaluating models. Automated the model deployment process to ensure seamless integration into the drug discovery pipeline.
- Developed and implemented machine learning algorithms, deep learning models, and graph-based neural networks by extracting data from various research papers.

Assistant Professor(Statistics) | Shivaji University
Dec-2021 - Jan-2023

- Developed and delivered comprehensive R programming courses covering statistical analysis on datasets.
- Teaching data manipulation, data analysis, and visualization techniques to students by emphasizing their practical applications in data science.
- Mentored and guided students through individual and group projects in data analysis.
- Conduct research in their field of expertise and disseminate findings through publications and presentations.

Data Scientist | Intern
Aug-2021 - Dec-2021

- Demonstrated proficiency in utilizing data science tools and methodologies, including Power BI, SQL, Python, machine learning, deep learning, and NLP.
- Developed data analysis and visualization solutions to drive informed decision-making
- Created and implemented predictive models to solve business problems and enhance operational efficiency
- Conducted data exploration and modeling to identify insights and trends, leading to actionable recommendations

SKILLS

Key Skills: Data Mining, Statistical Analysis, Data Visualization, Model Building, Forcasting, Genrative AI.
Languages: Python, R, SQL, C++, Git.
Tools: PowerBI, SPSS, Minitab, Excel.
Machine learning: Numpy, Pandas,Scikit-learn, Keras, Tensorflow, PyTorch, PySpark.
Text Analysis: NLP, LLM, Langchain, OpenAI, Google-Gemini.
Data Visualization: Matplotlib, Seaborn, PowerBI, Plotly.
Web Development: Flask, Streamlit, Django.
Database: MySQL.
Soft skills: Critical Thinking, Problem Solving

EDUCATION

Sardar patel University
2019 − 2021

M.Sc. - Statistics - CGPA - 6.85
Anand, Gujarat

Learning statistical modeling is crucial for Data Science. It involves building and analyzing statistical models to draw meaningful conclusions from data. This is essential for developing and interpreting models to make predictions and solve business problems.

PROJECTS

Agriculture Rice Production   2022

- We developed a predictive model to predict rice production in kilograms, aiding farmers in decision-making.
- Analyzed data to determine optimal fertilizer, pesticide, and seed requirements for maximizing output.
- Determined the appropriate price per kilogram for profitable sales in the market.
- Create an interactive Power BI dashboard.

Mobile Price Prediction | Deployment   2021

- Developed predictive model for new mobile phone startup company to accurately estimate the selling price in a highly competitive market.
- Analyzed historical sales data of mobile phones from various companies to identify key features influencing consumer purchasing decisions.
- Implemented the pricing model as a user-friendly tool, allowing the startup to quickly and easily estimate the selling price of its upcoming mobile devices.

CERTIFICATIONS

- Machine Learning Engineer(AI analyst) - Symbiosys
- Data Analyst - Stige