

ROHITH SARGUNAN

Data Scientist

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SUMMARY

Data-driven and results-oriented student with a strong foundation in statistics and machine learning. Proven ability to leverage advanced analytical techniques to solve complex problems and extract actionable insights. Seeking a challenging role to apply academic knowledge and contribute to innovative projects.

PROJECTS

- AIRLINE CUSTOMER SATISFACTION PREDICTION (Dec 2023)**
Developed a predictive model for India's domestic aviation sector using ARIMA and Random Forest to forecast passenger demand and analyse customer satisfaction. Achieved 93% accuracy, identifying key satisfaction factors and forecasting over 100% growth by 2032. Provided strategic recommendations for enhancing service and operational efficiency.
- PNEUMONIA DETECTION USING CNN (April 2024)**
Developed a CNN model for pneumonia detection in chest X-rays, achieving 78.6% accuracy. Utilized a custom CNN architecture with 5 convolutional layers and evaluated performance using accuracy, precision, recall, and F1-score. Demonstrated effective classification capabilities for medical diagnosis.
- A KEY DRIVER ANALYSIS OF IMDB MOVIE REVIEWS USING NLP (June 2024)**
Analysed 50,000 IMDb movie reviews using NLP to identify key factors influencing viewer satisfaction. Extracted 50 crucial keywords and assessed sentiment, revealing that character development and pacing are pivotal for engagement. Achieved actionable insights to enhance script quality and viewer appeal through TF-IDF and Text Blob analysis.

SKILLS

- Programming Languages:** SQL, Python, C, Java
- Data Science Tools:** NumPy, Pandas, Scikit-learn, Tableau, Power BI
- Data Analytics:** Microsoft Excel, R, SPSS
- Soft Skills:** Leadership, Team Management, Communication, Presentation Skills

EDUCATION

- Vellore Institute of Technology (Sep 2020 - Present)**
Integrated M.Sc Computational Statistics and Data Analytics
- Shristi Vidyashram CBSE School (July 2018)**
12th Standard
- Shiksha Greenwoods ICSE School (July 2017)**
10th Standard

CERTIFICATION

- Google Data Analytics Professional Certificate (Coursera, 2024)**

LANGUAGES KNOWN

- English, Tamil, Telugu