

# KHADEER BASHA K

+91 8946072290

[khadeershaik2906@gmail.com](mailto:khadeershaik2906@gmail.com)

[Portfolio](#)

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## PROFILE

Entry-level Data Analyst with hands-on experience in Python, SQL, and Power BI for data analysis, predictive modeling, and business insights. Built machine learning and time-series forecasting models in healthcare and aviation domains. Skilled in statistical analysis, data visualization, and developing end-to-end analytical solutions using real-world datasets.

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## EDUCATION

- Vellore Institute of Technology – Vellore  
Integrated M.Sc. Computational Statistics and Data Analytics Sep 2020 – Jun 2025  
CGPA – 7.90

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## SKILLS

- Programming Languages – Python (Pandas, Numpy), SQL
- Data Visualization – Power BI, MS Excel
- EDA, Statistical Analysis, Regression, Time-series Forecasting
- Machine Learning – Random Forest, SVM, Gradient Boosting

## KEY COMPETENCIES

- Analytical Thinking
- Excellent communication skills
- Problem-Solving skills


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## CERTIFICATES

- Data Analysis with Python 
- SQL for Data Science 
- From Excel to Power BI 

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## PROJECTS

- **Multiple Disease Prediction System using ML** 

Developed a predictive system to diagnose Diabetes, Heart Disease, and Parkinson's using user-input medical parameters and ML models. Deployed a real-time, user-friendly web interface with Streamlit.

**Achievements:** Achieved accuracies of 75.32% (Diabetes), 82.38% (Heart Disease), and 87.41% (Parkinson's), with corresponding AUC scores of 0.81, 0.90, and 0.93 respectively.

**Impact:** Built and deployed a Streamlit-based web application for real-time disease prediction, enabling users to input medical parameters and receive risk predictions instantly.

- **Data Analysis on Domestic Airlines in India** 

Researched passenger trends and customer satisfaction within India's domestic airline industry. Used SARIMA to forecast number of passengers and Random Forest to predict satisfaction levels. Conducted thorough data analysis, developed models, and enhanced the overall travel experience.

**Achievements:** Performed exploratory data analysis and built SARIMA models to forecast passenger demand. Developed a Random Forest model to predict customer satisfaction, providing insights into key factors influencing passenger experience.

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## SPOKEN LANGUAGES

English, Tamil, Hindi, Urdu

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