

# Afnitha Abdul Rahman

## Entry Level Data Scientist

India 8113871649 | [afnitha.abdulrahman@gmail.com](mailto:afnitha.abdulrahman@gmail.com)

[LinkedIn](#) | [Portfolio](#)

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Entry level Data Science professional with hands-on experience in healthcare, finance, and gaming analytics. Proficient in Python, SQL, Machine Learning, and Power BI. Developed a LightGBM model achieving an  $R^2$  of 0.93 for game winner prediction and applied Logistic Regression and Random Forest to classify skin disorders with an F1 score of 1.0. Seeking a Data Analyst or ML Engineer position to leverage data-driven insights for business growth.

### EDUCATION

Bachelor of Arts in Economics

MG University Kerala (2020-2023) | CGPA: 7.9/10

- Modules: Econometrics, Statistical Methods, Data Interpretation
- Dissertation: An Econometric and Statistical Study of Migrant Workers in Rubber Park, Kerala

### WORK EXPERIENCE **Data Science Intern** Rubixe AI Solutions | May 2024 - Nov 2024

- Collected and analyzed requirements, performed data preprocessing, and detected anomalies in healthcare, finance, and gaming datasets
- Developed and validated ML models (classification, regression) ensuring scalability and accuracy.
- Created interactive dashboards and client ready reports delivering actionable insights for decision making
- Enhanced model performance feature engineering and hyperparameter tuning, achieving:  
PUBG Game Prediction:  $R^2 = 0.93$ , Skin Disorder Classification:  $F1 \approx 1.0$

### PROJECTS

- Power BI Sales Dashboard- Designed KPI-driven dashboard to analyze revenue, customers, and product performance using DAX and star-schema.
- Credit Score Prediction- Engineered Gradient Boosting model (Gini = 1.0) with SMOTE to assess creditworthiness and reduce risk.
- Hospital Stay Prediction - Achieved 83% accuracy predicting patient stay lengths, enabling healthcare resource planning
- Skin Disorder Classification- Applied Logistic Regression & Random Forest ( $F1 = 1.0$ ) for multi-class medical dataset.
- Game Winner Prediction (PUBG Dataset)- Built LightGBM model ( $R^2 = 0.93$ ) to predict match outcomes.
- Bike Rental Demand Prediction- Predicted daily rentals ( $R^2 = 0.89$ ), supporting demand forecasting.

### CERTIFICATIONS

- Certified Data Scientist – Data Mites (2024)
- Introduction to Generative AI - LinkedIn Learning (2025)
- Business Analysis Foundations - IIBA® (Jun 2025)
- Career Skills in Software Development - LinkedIn Learning, 2024.
- Internship Certificate - Rubixe AI Solutions (2024)

### SKILLS

- Programming: Python, SQL, Jupyter, Excel
- Visualization: Power BI, Tableau, Matplotlib, Seaborn
- Machine Learning & Stats: Regression, Classification, Gradient Boosting, LightGBM, Random Forest, Logistic Regression, SMOTE, Feature Engineering, Model Optimization
- Core Competencies: Data Cleaning, Preprocessing, EDA, Statistical Analysis
- Soft Skills: Problem Solving, Communication, Leadership, Team Collaboration

### EXTRACURRICULAR

- Led socio-economic study on migrant workers during BA, managing surveys & analysis
- Volunteered with Bharat Scouts & Guides, awarded Raj ya Puraskar for leadership & service.

**LANGUAGES:** English- Advanced | Malayalam- Native | Hindi- Intermediate.