RANJITHKUMAR RAMESH

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SUMMARY

Aspiring Data Analyst skilled in Python, R, SQL, Excel, Tableau, and BigQuery, with experience in data cleaning, EDA, visualization, and machine learning. Passionate about turning data into actionable insights to support business decisions.

EXPERIENCE

AI & Data Science Intern

Ruddo Education Pvt Ltd   **October 2024 – December 2024, Bengaluru**

· Developed and deployed machine learning models on 5,000+ health scan records to predict health risks.
· Performed data preprocessing, cleaning, and feature engineering, reducing missing values by 95% and improving model reliability.
· Optimized model performance, achieving 88% prediction accuracy, enabling actionable insights for health monitoring.
· Created interactive dashboards and visual reports, summarizing trends for 100+ patients to support stakeholders.
· Spearheaded dashboard development using Power BI over a 3-month project, enabling real-time monitoring and visualization of key health metrics for over 100 patients and improving reporting efficiency by 40%.

PROJECT

Bike Share Analysis – Case Study

Google Data Analytics Professional Certificate – Coursera · github.com/RKRanjithkumarRK/cyclistic-bike-share-analysis
· Analyzed 1M+ bike ride records to uncover user behavior and usage trends.
· Performed data cleaning and EDA using R, Python, and SQL, improving data quality by 95%.
· Built interactive Tableau dashboards visualizing key metrics to support business insights.

Sleep Stage Classification Using Machine Learning

Self-Driven / Academic Project · github.com/RKRanjithkumarRK/Sleeping_State_Classification
· Processed and analyzed 5,000+ sleep records using ML algorithms to classify sleep stages.
· Achieved 88% accuracy by optimizing features and tuning model parameters.
· Visualized sleep trends for 100+ subjects using Python, Scikit-learn, and Matplotlib, providing actionable insights.

EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science

K.S. Rangasamy College of Technology, Tiruchengode · Tiruchengode, Tamil Nadu, India · 2025 · 7.8

CERTIFICATIONS

Google Data Analytics Professional Certificate – Coursera (In Progress)

Coursera · 2025
· Enhanced skills in data cleaning, EDA, SQL, and visualization to generate actionable business insights.

Machine Learning Crash Course

Google · 2024
· Built understanding of supervised and unsupervised ML techniques to solve real-world data problems.

Python for Data Science

freeCodeCamp · 2024
· Gained hands-on experience with Python, Pandas, NumPy, and data visualization for analytics projects.

SKILLS

Technical Skills
Programming & Analysis: Python, R, SQL, Excel, Big Query
Data Manipulation Libraries: Pandas, NumPy
Data Processing & Modeling: Data Cleaning, Data Preprocessing, Feature Engineering, Predictive Analytics, Model Deployment
Data Analysis & Visualization: Exploratory Data Analysis (EDA), Tableau, Data Storytelling, Dashboarding, Data Analytics

Soft Skills
Problem-Solving, Logical Thinking, Decision-Making, Team Collaboration, Effective Communication