ATHULYA B VIJAY

Data Analyst | SQL | Python | Business Analytics

Thrissur, Kerala, India | +91 7306532235

athulyaestherlucky75@gmail.com

github.com/athulyaesther777 | linkedin.com/in/athulya-b-vijay | Portfolio

Eligible for Ireland Internship Sponsorship

Professional Summary

Computer Science graduate with hands-on experience in SQL, Python, and data analytics. Skilled in data cleaning, transformation, exploratory data analysis, KPI reporting, and dashboard development. Experienced in analyzing structured datasets to generate actionable business insights and support data-driven decision-making. Currently completing the Google Data Analytics Professional Certificate and seeking a Data Analyst Internship in Ireland.

Technical Skills

Data Analytics: SQL (Joins, Aggregations, CTEs), Python (Pandas, NumPy), Data Cleaning, EDA, Statistical Analysis

Visualization & Reporting: Excel (Pivot Tables, Lookup Functions), Power BI (Basic), Matplotlib, Seaborn, Plotly

Machine Learning: Classification, Regression, Time Series (ARIMA, Prophet), Model Evaluation (RMSE, MAE)

Tools: Git, GitHub, Jupyter Notebook, VS Code, Streamlit, SQLite

Professional Experience

AI / Data Intern Dec 2024 – Present
ATEES Infomedia Pvt Ltd, Thrissur, India

- Processed and analyzed 50,000+ structured records using Python and SQL for trend and KPI analysis.

- Conducted exploratory data analysis identifying anomalies, patterns, and performance indicators.

- Engineered structured features improving predictive reliability by 20%.

- Built classification models achieving up to 92% accuracy.

- Developed interactive dashboards to communicate key metrics to technical and non-technical stakeholders.

Python Developer Intern Sep 2024 – Oct 2024
TECHPLEMENT, Bengaluru, India

- Developed data-driven desktop applications using Tkinter and SQLite.

- Automated repetitive workflows reducing manual effort by 50–60%.

- Managed collaborative development using Git and GitHub.

AI Research Intern   Feb 2024 – Apr 2024
ASIMOV Robotics

- Optimized machine learning algorithms improving system performance by 25%.

- Conducted structured model evaluation and parameter tuning for improved accuracy.

Projects

Hotel Booking Data Cleaning and KPI Analysis
GitHub Link

- Processed and cleaned 100k+ booking records handling missing values and inconsistencies.

- Performed exploratory data analysis to identify cancellation trends and seasonal demand patterns.

- Calculated KPIs including cancellation rate, average lead time, and occupancy trends.

- Delivered insights supporting pricing and operational strategy decisions.

Time Series Forecasting and Demand Analysis
GitHub Link

- Cleaned and analyzed time-series data to identify trend and seasonality patterns.

- Built ARIMA and Prophet models for demand forecasting.

- Evaluated model performance using RMSE and MAE metrics.

- Generated demand projections to support planning decisions.

End-to-End Business Data Analysis
GitHub Link

- Designed complete analytics workflow: raw CSV $\rightarrow$ cleaning $\rightarrow$ SQL-style transformations $\rightarrow$ EDA $\rightarrow$ visualization.

- Analyzed 30k+ customer records to identify churn indicators and revenue drivers.

- Generated structured analytical reports with actionable business recommendations.

Faithverse Web Application (Database-Driven App)
GitHub Link

- Developed Streamlit web application integrated with SQLite database.

- Implemented dynamic search, filtering, and structured data retrieval.

- Demonstrated backend logic and database management skills.

Education

Bachelor of Technology in Computer Science and Engineering 2020 – 2024
APJ Abdul Kalam Technological University
CGPA: 7.02 / 10
Thesis: AI-Based Healthcare Chatbot Using Python and Machine Learning

Google Data Analytics Professional Certificate Expected 2026
Coursework: Data Cleaning, SQL for Analysis, Data Visualization, Case Studies

Languages

English (C1 – Proficient) | Malayalam (Native) | Hindi (B1) | German (A2)