

Athulya B Vijay

Data Analytics



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[Portfolio](#)
[Github](#)

About Me

Data Analytics enthusiast with a background in Computer Science (B.Tech), skilled in Python, SQL, and data visualization tools such as Power BI and Tableau. Experienced in working with real-world datasets to perform data cleaning, exploratory data analysis, and dashboard creation for actionable insights. Passionate about leveraging data to support decision-making and continuously improving skills in analytics, machine learning, and automation.

Work Experience



Founder & Content Creator — PyAI Hub

Personal initiative focused on data analytics education and career guidance

2025 – Present

- Created educational content on data analytics, AI, and programming concepts
- Guided learners on career roadmaps and skill development in tech
- Built and managed a growing learning platform across YouTube and online channels
- Simplified complex technical topics for beginners through structured explanations
- Projects and Explanations



Freelance Data Analyst

Fiverr, providing data analysis and data processing services.

March 2026 to Present

- Improved data accuracy and consistency by cleaning and preprocessing datasets using Excel, SQL, and Python
- Reduced manual data handling efforts by structuring raw datasets into organized formats for analysis
- Delivered reliable data outputs for small-scale analysis and reporting tasks across multiple projects



Freelance Data Analyst (Projects & Practice)

Freelancer.com, working on independent data analysis and machine learning projects

November 2023 to Present

- Enhanced data insights by performing exploratory data analysis (EDA) using Python and SQL
- Built data pipelines and processed datasets to improve data usability and workflow efficiency
- Developed dashboards and visualizations to identify trends and support data-driven decision-making
- Strengthened analytical performance by working with diverse real-world datasets



AI Engineering Intern

ATEES Global, focusing on AI model development and deployment

February 2025 to May 2025

- Developed machine learning models using TensorFlow and Scikit-learn for real-world applications
- Improved model performance through data preprocessing, training, and evaluation techniques
- Implemented NLP and computer vision solutions to address practical problem scenarios



Python Developer Intern

Techplement, working on Python-based data handling solutions

September 2024

- Developed Python-based data processing solutions for handling structured datasets and CSV files
- Improved data management efficiency by implementing CRUD operations
- Enhanced collaboration and version control practices using GitHub

Relevant Skills

- Programming: Python, SQL, R
- Data Visualization: Power BI, Tableau
- Data Analysis: Data Cleaning, Exploratory Data Analysis (EDA)
- Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- Tools: Excel
- Soft Skills: Problem Solving, Communication, Attention to Detail, Decision Making

Projects

Netflix Content Insights Dashboard

Power BI project analyzing streaming data trends and viewer patterns

March 2026

- Analyzed content trends by genre, country, rating, and release year using Power BI
- Built interactive dashboards to visualize key insights and support data-driven decisions
- Performed data cleaning and transformation to improve dataset usability

Data Analysis Projects (Python)

Collection of projects focused on data cleaning, analysis, and visualization

March 2026

- Developed a chatbot using Python, Streamlit, and LangChain for interactive responses
- Implemented natural language processing (NLP) for handling user queries
- Improved response relevance through structured data handling and prompt design

Strategic Hotel Booking Analysis

Data analysis project on 100k+ booking records to identify cancellation trends and revenue patterns

February 2026

- Analyzed large-scale booking data to identify key cancellation drivers and seasonal trends
- Designed KPI frameworks to support dynamic pricing and business decision-making
- Identified peak demand periods and operational inefficiencies through data insights

Repository: github.com/athulyaesther777/PyAI_Hub

Household Energy Demand Forecasting

Time-series forecasting project for predicting electricity demand and consumption trends

January 2026

- Built forecasting models using ARIMA, Prophet, and LSTM for demand prediction
- Developed an interactive Streamlit dashboard for real-time monitoring and visualization
- Evaluated model performance using RMSE and MAE metrics

Repository: github.com/athulyaesther777/PyAI_Hub

End-to-End Business Performance Pipeline

Analytics workflow project from raw data processing to business-level reporting

January 2026

- Processed and analyzed 30k+ customer records to identify churn patterns
- Extracted key revenue drivers and business insights through exploratory analysis
- Automated reporting workflows for structured and consistent data outputs

Repository: github.com/athulyaesther777/PyAI_Hub

Education History



Bachelor of Technology (B.Tech) in Computer Science (CGPA 7.02)

University: APJ Abdul Kalam Technological University, India

Year of Graduation: 2020 – 2024

- Completed coursework in data structures, algorithms, databases, and software engineering; developed projects in data analysis and machine learning
- Built strong programming skills in Python and SQL
- Technical Team Member, Google Developer Student Clubs (GDSC)
- Volunteer, National Service Scheme (NSS)




Google Data Analytics Professional Certificate

Institution: Coursera

September 2025 - March 2026

- Learning data cleaning, data analysis, and visualization techniques
- Gaining hands-on experience with real-world datasets and case studies

Certifications



SEPTEMBER 2025 – MARCH 2026	GOOGLE DATA ANALYTICS PROFESSIONAL CERTIFICATE Coursera (Google) <ul style="list-style-type: none">• Foundations: Data, Data, Everywhere• Ask Questions to Make Data-Driven Decisions• Prepare Data for Exploration• Process Data from Dirty to Clean• Analyze Data to Answer Questions• Share Data Through the Art of Visualization
FEBRUARY 2025 – MARCH 2025	MACHINE LEARNING & AI CERTIFICATIONS LinkedIn Learning <ul style="list-style-type: none">• Machine Learning with Python: Foundations• AI Engineering Essentials: Navigating the Tech Revolution• Microsoft Azure AI Essentials• Advanced Prompt Engineering Techniques
JULY 2024	PYTHON CERTIFICATION Udemy <ul style="list-style-type: none">• Mastering the Basics of Python
2024	PUBLICATION Main Project LangChain and LLM Integration in Healthcare Chatbots IJETRM
2022 – 2024	ADDITIONAL ACADEMIC ACTIVITIES <ul style="list-style-type: none">• Presented a paper at Muthoot Institute of Technology and Science (January 2023)• Conducted a 5-day Machine Learning training program for learners• Participated in workshops on Artificial Intelligence, Machine Learning, Blockchain, and Kotlin
2026	LANGUAGES <ul style="list-style-type: none">• English (C1 – Proficient)• Malayalam (Native)• Hindi (B1 – Intermediate)• German (A2 – Elementary)

Reference

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