

Aditya Murali

Data Analyst

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Summary

I'm a motivated and enthusiastic 22-year-old with a deep passion for Data Science and emerging technologies. I learn quickly, adapt easily, and thrive in dynamic technical environments. Through my academic journey and hands-on projects, I've built a strong foundation in analytics, machine learning, and data-driven decision-making. I enjoy solving problems, thinking critically, and collaborating with teams to achieve meaningful results. I'm now actively exploring opportunities in the IT, BFSI, and related sectors where I can contribute as a Data Analyst, Data Scientist, or in any analytical role that challenges me to grow and create impact.

Experience

DATA ANALYST (INTERN) | RERA EASY JANUARY 2025 – PRESENT

- **HR Analytics Tool Development:** Designed and developed a full-stack HR Analytics Tool, an end-to-end web application that automates monthly employee data processing. The tool generates dynamic dashboards highlighting attendance, punctuality, and overtime trends, enabling data-driven insights for HR decision-making.
- **Interactive Dashboard Creation:** Built an interactive HR Analytics Dashboard to monitor key HR metrics such as interview counts, onboarding progress, and retention rates, enhancing reporting efficiency and transparency across departments.
- **Data Scraping & Automation (Selenium):** Gained hands-on experience in data/web scraping to extract structured data from online platforms, automating internal processes to reduce manual effort and improve productivity.
- **Frontend Development:** Developed responsive, user-friendly interfaces using HTML, CSS, JavaScript, and Bootstrap for internal dashboards and client-facing web applications.
- **Data Cleaning & ETL:** Designed and executed ETL pipelines to clean, transform, and consolidate messy datasets from multiple sources into standardized formats.
- **Deployment & Hosting:** Hosted internal company tools and client-facing web applications using Heroku and Render, ensuring reliable performance, secure access, and ease of deployment for production environments.
- **NLP & Editorial Contributions:** Contributed to the editorial workflow of TRET.NEWS, a news website operated by RERA Easy, by cleaning and preprocessing textual data. Applied NLP techniques to enhance the clarity, readability, and overall quality of articles, gaining practical experience in both data handling and communication skills.
- **Research & Writing:** Authored a research-based article titled "A Beginner's Guide to Supervised Machine Learning", published on Medium, simplifying core concepts for aspiring data professionals.

Academic Projects

LAPTOP PRICE PREDICTION PROJECT | ML PROJECT | FEBRUARY 2024

- Developed a machine learning model to predict laptop prices based on specifications using a dataset containing various features and their corresponding prices.
- Performed extensive data cleaning and preprocessing to uncover key insights and better understand feature impact.
- Evaluated multiple algorithms, achieving the highest accuracy with a Random Forest Regressor.
- Deployed the model using Flask to build a user-friendly web interface, enabling real-time price prediction.
- Validated predictions by comparing results with real-world listings on platforms like Amazon and Flipkart, demonstrating high accuracy and practical reliability.

STUDENT PERFORMANCE DASHBOARD| DATA ANALYSIS & VISUALIZATION JANUARY 2024

- Built an interactive dashboard using Python, Plotly, and Dash to analyze student performance across subjects, semesters, and departments.
- Processed and visualized academic data (grades, attendance, assignment scores) with pandas and plotly for insights on performance trends.
- Implemented filtering options to allow dynamic views by department, semester, and gender, and added risk indicators for at-risk students.
- Deployed the dashboard with flask to create a user-friendly web interface for faculty to make data-driven decisions on student performance.

SENTIMENT ANALYSIS ON AIRLINE COMPANY | DECEMBER 2024

- Conducted sentiment analysis on customer feedback from an airline dataset to determine the overall sentiment—positive, negative, or neutral.
- Applied NLP techniques to extract meaningful insights from textual data, identifying areas of strength and improvement within the airline's operations.
- Delivered a comprehensive analysis of customer concerns and satisfaction trends, helping to pinpoint actionable improvements for service quality

Education

BACHELOR IN COMPUTER SCIENCE | MARCH 2020 – APRIL 2023 | 9.00 SGPA
PILLAI COLLEGE OF ARTS, COMMERCE AND SCIENCE, NEW PANVEL

MASTERS IN DATA ANALYTICS | JUNE 2023 – APRIL 2025 | 9.64 SGPA
PILLAI COLLEGE OF ARTS, COMMERCE AND SCIENCE, NEW PANVEL

Certifications

- Power BI | October 2024 | Pillai College
- Data Analytics Essentials Course| February 2025 | Cisco Networking Academy

Activities and Interests

Bike Rides, Swimming, Football

Skills & Abilities

PYTHON | DATA SCIENCE | POWER BI | PROGRAMMING LANGUAGE | DATA DRIVEN SOLUTIONS | MACHINE LEARNING | CNN | RNN | DEEP LEARNING | FLASK | WEB APPLICATIONS | FRONTEND | GOOGLE ANALYTICS | JAVA | CSS | NOTION DATABASE | SQLITE | MYSQL | QUERY LANGUAGE | DATABASE MANAGEMENT | RENDER | WEB HOSTING | REGRESSION MODEL | CLASSIFICATION MODEL | LINEAR REGRESSION | WEB SCRAPING | SELENIUM | BEAUTIFUL SOUP |

Personal Details

Date of Birth: 19/09/2002

Mother Tongue: Malayalam

Languages: English, Hindi, Marathi, Malayalam

Nationality: Indian