ZAINAB ABDULHASAN

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SUMMARY

Data analyst with hands-on experience preparing and labeling datasets for analysis and machine learning. Skilled in data cleaning, annotation, and visualization using Python, Pandas, and Power BI. Detail-oriented and experienced in identifying trends, ensuring data accuracy, and communicating insights to support AI and analytics projects.

TECHNICAL SKILLS

- **Languages:** Python (NumPy, Pandas, Matplotlib), SQL (basic), HTML/CSS
- **Data Tools:** Excel (pivot tables, VLOOKUP), Tableau (in progress), Power BI (learning)
- **Analysis:** Data cleaning (100% fill of missing values on multiple datasets), grouping, summarizing, visualization, statistics, reporting
- **Collaboration:** GitHub (project code), Jupyter Notebook, Next.js portfolio site
- Created interactive **Tableau** dashboards visualizing Netflix and salary data; published on Tableau Public for open analysis

Languages:
Arabic

PROFESSIONAL EXPERIENCE

Dispatcher
El Cajon, California

March 2023- April 2024

Z & S Transport INC.

- Arranged and dispatched more than 20 drivers' daily routes, optimizing schedules according to real-time data and client requirements.
- Through proactive problem-solving and data-driven route modifications, the on-time delivery rate was increased by 15%. • Took part in weekly team reports and workflow enhancements by recording and analyzing daily operations data.
- Maintained open lines of communication to guarantee efficient logistics between drivers, clients, and management

PROJECT

Netflix Titles Analysis
Link to Project
- Annotated and grouped over 8,800 records by category and country, filled missing values, and validated data consistency for trend analysis.
- Grouped titles by type and country, filled in the blanks for over six columns, and displayed trends by year.
- Used Python and Excel to analyze Netflix catalog datasets, identifying TV-MA as the most common rating and displaying the results in interactive dashboards.
- Created summary tables with director statistics and the top 5 countries.,

Salary Data Exploration & Prediction
Link to Project
- Preprocessed and standardized 150,000+ records, applying feature engineering and imputation to prepare the dataset for predictive modeling.
- To determine the top 5 most prevalent data careers and average salary trends, the data was grouped by job title and experience.
- Created a basic linear regression model to forecast pay based on the experience/remote ratio.
- Used flexible coding solutions to improve the accuracy of predictive analytics by integrating automated missing value imputation procedures into salary datasets.

Student Performance Analytics
Link to Projects
- Labeled and analyzed 480 education records, identifying participation and performance patterns using groupby and filtering.
- Developed visual aids to draw attention to the main weaknesses and advantages of various student groups.

Breast Cancer Prediction (Logistic Regression)
Link to Project
- Standardized and labeled 569 samples with 30 features, ensuring high-quality input data for logistic regression modeling.
- Features were preprocessed and standardized, and label encoding was designed for classification.
- Achieved high precision/recall scores after training and testing a logistic regression model.
- Model predictions and probability scores were exported for visualization on the Tableau dashboard.

Amazon Prime Content Analysis Dashboard – Power BI
Link to Project
- Cleaned and structured streaming data, formatted date/time fields, and validated categorical features for accurate dashboard reporting.
- Created an interactive Power BI dashboard that includes geographic insights, ratings distribution, trend analysis, and genre breakdowns.
- Used pivot tables, DAX measures, and advanced visuals (line charts, heatmaps, maps) to present key streaming content trends.

Portfolio Website (in progress)
- Developed a responsive portfolio website that showcases important projects, technical proficiency, and professional growth using Next.js, React, and Tailwind CSS.
- Incorporated clean visualizations, responsive design, and unique animation for data from the real world.

EDUCATION

Bachelor of Science Info science and data analytics
San Jose State University • San Jose, CA • 2025 present • 3.4
• Relevant courses: Python, Statistics, SQL, Data Visualization, Web Development

High School
Patrick Henry High • 2014–2017