PAVITHRA R

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Project-based Data Analyst with experience in data cleaning, visualization and dashboard creation. Skilled in Excel, SQL and Power BI with the ability to analyze datasets, identify trends and deliver actionable insights. Quick learner with strong problem-solving skills and a passion for data-driven decision-making.

Work Experience

Programmer

CTTE College for Women , Chennai   **July 2024 – Present**

- Managed BCA lab operations, ensuring smooth functioning of systems, software, and equipment.
- Assisted students during practical sessions with programming, database, and technical tasks.
- Prepared and maintained lab reports, attendance, and student performance data accurately.
- Troubleshot software and system issues to provide quick technical support during lab hours.
- Handled data formatting, documentation, and verification to improve workflow efficiency.
- Coordinated with faculty for lab activities, assessments, and academic requirements

Document Specialist

RR Donnelley, Chennai   **December 2023 - May 2024**

- Processed and formatted client documents with accuracy and efficiency.
- Used Adobe Creative Cloud tools to design and structure documents with professional layouts.
- Ensured high-quality output by adhering to client specifications, branding standards, and deadlines.

Intern - Graphic Designer

Aashman Foundation, India   **June 2021 – September 2021**

- Created visually appealing designs and social media graphics using Figma and Canva
- Designed mockups, layouts, and marketing materials aligned with brand guidelines
- Enhanced visual storytelling through modern and user-friendly design concepts

Technical Skills	Software & Tools	Soft Skills
- SQL (MySQL) - PYTHON - HTML - CSS	- Figma, Power bi - MS Office Suite - Google Suite - Adobe Acrobat	- Analytical thinking - Team collaboration - Adaptability - Quick learner

Projects

Sales Insights Dashboard | Power BI, SQL, Python

- Analyzed PostgreSQL sales_data using Python (Pandas, Jupyter Notebook) for data cleaning and exploratory analysis.
- Built an interactive Power BI dashboard with DAX measures to track revenue trends, customer behavior, and product performance.
- Performed data transformation using Power Query and integrated SQL queries for automated data refresh.
- Delivered insights on top categories, peak sales hours, member vs normal customers, and monthly revenue growth.

Advanced SQL Employee Data Analysis

- Built advanced SQL queries to analyze and manage employee datasets imported from Excel as a virtual database.
- Applied filtering, aggregation, subqueries, and self-joins to extract meaningful business insights.
- Used conditional logic to categorize employees and identify above-average salary groups for comparison and reporting.
- Technologies: SQL (MySQL), Excel (virtual database)

Network Intrusion Detection

- Developed a machine learning model on the KDD Cup 99 dataset to detect network intrusions.
- Achieved ~99.98% accuracy using Random Forest after preprocessing and feature selection.
- Implemented a real-time prediction system for classifying new network traffic.

Education

Bachelor of Computer Applications (BCA)

Chevalier T. Thomas Elizabeth College for Women, Chennai

2020 – 2023 | Percentage: 78%

Achievements

- Science Club Coordinator, Chevalier T. Thomas Elizabeth College for Women
- District-Level Winner in Long Jump and Kabaddi

Hobbies & Interests

- Strategic Games: Chess, Carrom
- Drawing