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PROFESSIONAL SUMMARY

Enthusiastic and self-motivated Data Analyst with hands-on experience in Python, SQL, Power BI, and Jupyter Notebook. Skilled in data cleaning, exploratory analysis, and building interactive dashboards to generate actionable business insights. Adept at interpreting complex datasets, identifying trends, and supporting data-driven decision making. Strong problem-solving mindset with a passion for transforming data into meaningful insights to drive business growth.

EXPERIENCE

Data Analytics Intern
International Water Management Institute (IWMI)
April 2026 - September 2026

- Built automated Python (Pandas, NumPy) data pipelines to clean, transform, and merge 40 years (1986–2025) of environmental and water-quality data across 94 monitoring sites.
- Engineered 100+ predictor variables using aggregation and statistical techniques, and extracted and validated large-scale historical time-series data from multiple public sources.
- Performed data quality checks, missing-value treatment, EDA, statistical analysis, and visualizations to identify trends, patterns, and outliers in the dataset.
- Developed an interactive analytical dashboard, documented data processing and QA methodologies, and collaborated with a cross-regional team using GitHub.

Intern Software Engineer
Gamage Recuriters Pvt Ltd
February 2025- August 2025

- Developed React pages and Node.js APIs to improve user flow and system functionality.
- Implemented JWT authentication to increase security and protect user data.
- Integrated Google Maps API to capture and display user locations accurately.
- Automated email notifications using Nodemailer to reduce manual work and improve communication speed.
- Created charts with Recharts to help recruiters easily view candidate statistics.
- Improved UI with Tailwind CSS to make pages cleaner, responsive, and user-friendly.
- Resolved bugs in API calls, charts, and map markers to ensure smooth system performance.
- Used Git for version control to collaborate effectively and maintain clean code

TOOLS AND TECHNOLOGIES

- **Programming & Query Languages**: Python, SQL
  Data Analysis & Visualization: Power BI, Jupyter Notebook, Pandas,NumPy
- **Databases:** PostgreSQL, MongoDB, MySQL
- **Tools & Platforms:** GitHub, Postman, Figma

PROJECTS

Customer Shopping Behavior Analysis

- Analyzed transactional data from 3,900 customer purchases to identify spending patterns and product preferences
- Performed data cleaning and feature engineering using Python (Pandas, NumPy) to prepare data for analysis
- Conducted business-focused SQL analysis in PostgreSQL to segment customers and evaluate revenue trends
- Built an interactive Power BI dashboard to visualize customer segments, discount usage, and highperforming products
- **Technologies:** Python (Pandas, NumPy), PostgreSQL (SQL), Power BI, Jupyter Notebook
- **GitHub:** https://github.com/IT21354724/customer_behavior_analysis.git

Regional Sales Analysis

- Analyzed 5 years of U.S. regional sales data to evaluate revenue trends, profitability, and regional performance
- Performed data cleaning, preprocessing, and feature engineering using Python to merge and normalize multiple datasets
- Conducted exploratory data analysis to identify seasonal trends, top-performing products, and channel-wise profitability
- Built an interactive Power BI dashboard to provide executive-level insights and support data-driven sales strategy
- **Technologies:** Python (Pandas, NumPy, Matplotlib, Seaborn), Power BI
- **GitHub:** **https://github.com/IT21354724/Regional_Sales_Analysis.git**

Banking Risk Analysis

- Analyzed customer banking data to assess risk levels and support loan approval decisions using Python
- Performed data cleaning, preprocessing, and feature engineering to create meaningful financial risk indicators
- Conducted exploratory data analysis to uncover trends, customer segments, and correlations impacting loan defaults
- Developed interactive Power BI dashboards to visualize risk profiles and provide actionable insights for banking decisions
- **Technologies:** Python (Pandas, NumPy, Matplotlib, Seaborn), Power BI
- **GitHub:** **https://github.com/IT21354724/banking_analysis.git**

Pizza Sales Analysis

- Analyzed historical pizza sales data using MS SQL Server and Microsoft Excel to evaluate business performance and customer ordering behavior
- Calculated key KPIs including total revenue, average order value, total orders, total pizzas sold, and average pizzas per order to measure sales effectiveness
- Performed daily and hourly trend analysis and product performance analysis to identify peak demand periods, top and bottom-selling pizzas, and category-wise sales distribution
- Conducted data cleaning, feature engineering, and built an interactive Excel dashboard using pivot tables and visualizations to present actionable sales insights
- **Technologies**: MS SQL Server, Microsoft Excel
- **GitHub**: https://github.com/IT21354724/pizza_sales_analysis.git

EDUCATION

Bachelor of Science (BSc) in Information Technology 2021-2025
Sri Lanka Institute of Information Technology (SLIIT)

General Education – Grade 1 to Advanced Level
2006 – 2019
Royal College, Colombo

Certifications

- Agile Methodology – Simplilearn
- Programming Basics - Great Learning
- Software Testing - Great Learning