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Professional Summary:

Results-driven **Data & Business Analyst** with **3+ years of professional experience** in **data analytics, business intelligence, and full-stack software development**. Experienced in transforming raw data into actionable insights through **SQL, Python (Pandas), Power BI, Tableau, and Excel**. Skilled in **ETL pipeline design**, **data modeling**, and **KPI dashboard development** to improve operational performance and data accuracy. Adept at **data storytelling**, **stakeholder communication**, and **cross-functional collaboration** to deliver measurable business outcomes. Proven success in **automating manual reports**, integrating **API-based data pipelines**, and applying **Agile SDLC** practices to drive efficiency and informed decision-making.

Core Competencies

- **Data Analytics & Visualization** – Power BI, Tableau, Excel dashboards, KPI reporting, and trend analysis for business performance insights
- **Database Management & SQL Development** – Query optimization, joins, stored procedures, and ETL workflows in MySQL and SQL Server
- **Programming & Automation** – Python scripting for data manipulation and process automation using Pandas and NumPy
- **Business Intelligence & Reporting** – Designing metrics, business reports, and executive dashboards to support data-driven decision-making
- **Cloud & DevOps Practices** – Hands-on with Azure, AWS, Docker, and CI/CD pipelines for analytics deployments and scalability
- **Web & API Integration** – REST API development, JSON/XML data exchange, and cross-system data connectivity
- **Agile Project Delivery** – Sprint planning, backlog grooming, and collaboration through JIRA, Confluence, and Agile ceremonies
- **Communication & Collaboration** – Translating business requirements into technical solutions and coordinating with cross-functional teams

Education

- **Master of Science in Technology Management** – Lindsey Wilson College, Kentucky (May 2023 – Dec 2024)

- **Bachelor of Technology in Computer Science** – Saveetha University, India (Aug 2017 – May 2021)

Professional Experience

Techtrove Software Solutions   Feb 2025 - Present
Data Analyst
Project: Enterprise Data Intelligence & Reporting Platform
Developed and deployed a **Data Analytics and Reporting Platform** to automate **data collection, transformation, and visualization**, improving **business intelligence** and **operational efficiency** by 30%. The project centralized **enterprise data sources**, enabling **real-time insights** and **predictive reporting** for leadership and strategy teams.

Key Highlights:

- Led **data requirements gathering** and **source system analysis** to identify key data fields and metrics for reporting.
- Built **interactive dashboards** in **Power BI** and **Tableau** to visualize sales, operations, and customer performance trends.
- Designed and optimized **SQL queries**, **ETL pipelines**, and **data validation logic** to ensure data accuracy.
- Automated manual Excel-based reports, reducing processing time by **40%** and minimizing human error.
- Collaborated with data engineers and business users to integrate **API and Cloud-based data pipelines**.
- Conducted **trend analysis**, **forecasting**, and **KPI monitoring** to support executive decision-making.
- Documented **data dictionaries**, **reporting standards**, and **best practices** for analytics governance.
- Delivered weekly **insight presentations** highlighting performance metrics and actionable business recommendations.

Technologies Used: SQL, Power BI, Tableau, Excel, Python (Pandas), JIRA, ETL Pipelines, API Integrations, Azure Data Factory, Agile SDLC, Cloud Data Warehouse

Tata Consultancy Services (TCS)   Mar 2021 – Dec 2023
Associate Software Engineer (Data Analytics Project)

Project: Enterprise Monitoring & Data Intelligence Platform
Developed a **data-driven enterprise monitoring system** to automate **data collection, processing, and visualization** across business operations. The platform provided **real-time**

analytics dashboards using **React, SQL, and PHP**, improving **system performance insights** and reducing **manual reporting efforts** by 40%.

Key Responsibilities:

- Built and optimized **SQL queries** for data extraction, cleansing, and transformation to support analytical dashboards.
- Designed **REST APIs** for seamless **data integration** between legacy systems and new cloud environments.
- Developed **interactive data visualization dashboards** in **React** to display key operational KPIs.
- Migrated datasets from **legacy SQL systems to MySQL**, ensuring **data integrity and performance tuning**.
- Collaborated with cross-functional teams to define **data metrics** and automate **performance monitoring reports**.
- Implemented **ETL logic** and **API-based data pipelines** to consolidate multiple data sources.
- Conducted **root cause analysis** using system logs and metrics to identify performance bottlenecks.
- Supported **Agile development cycles**, code reviews, and sprint retrospectives to ensure data reliability and system stability.

Technologies Used: SQL, MySQL, PHP, React, REST APIs, Laravel, Docker, Git, Azure Cloud, JavaScript, ETL Pipelines

Technical Skills

- **Programming & Scripting:** SQL, Python (Pandas, NumPy, Matplotlib), Java, PHP, JavaScript (ES6), HTML5, CSS3, Shell Scripting
- **Data Analytics & Visualization:** Power BI, Tableau, Excel (Pivot Tables, Power Query), Data Modeling, KPI Reporting, Trend Analysis, Forecasting
- **Databases & Data Engineering:** MySQL, MS SQL Server, PostgreSQL, Azure SQL, ETL Pipelines, Data Migration, Data Validation, Query Optimization
- **Web Development & APIs:** Laravel, React, RESTful APIs, MVC Architecture, JSON/XML Data Integration
- **Cloud & DevOps Tools:** Microsoft Azure, AWS (EC2, S3, Lambda), Docker, Kubernetes, Git, GitHub, Jenkins, Azure DevOps
- **Data Management & Collaboration:** JIRA, Confluence, Visio, Lucidchart, Agile SDLC, UAT Testing, Documentation
- **Operating Systems:** Windows, Linux (Ubuntu, CentOS)