

# Pravallika Pydi

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Detail-oriented **Data Analyst** with 4 years of experience in **SQL, Python, Tableau, and Excel**. Certified in **Google Data Analytics**, with expertise in **data cleaning, KPI reporting, and dashboards**. Delivered measurable results, including **20% system reliability improvements** and **15+ hours/month saved** through automation. Strong team collaborator, skilled at **data storytelling and supporting business decisions**.

## SKILLS

<b>Programming &amp; Databases:</b>	Python (Pandas, NumPy), R, SQL
<b>Data Visualization &amp; Reporting:</b>	Tableau, Power BI, Excel
<b>Excel:</b>	Pivot Tables, VLOOKUP, KPI Reporting
<b>Core Analytics:</b>	Data Cleaning, Data Analysis, Statistical Analysis, Data Reporting

## PROJECTS

### SQL Business Analysis – Northwind Database

- Performed **data analysis** on **5,000+ sales records** using advanced **SQL queries** (joins, CTEs, window functions).
- Identified a **12% decrease in repeat purchases** and a **15% higher customer lifetime value (CLV)** for loyal customers.
- Delivered **business insights and profit margin analysis** (18% beverages vs. 6% dairy) through reports and documentation.

### Sales Performance Dashboard – Tableau (Superstore Dataset)

- Conducted **data visualization and reporting** on **10,000+ transactions** by region, product, and customer segment.
- Built interactive **dashboards** to track KPIs, uncovering that the **West region had 25% higher profit margins** and the **top 20% of customers generated 65% of sales**.
- Reduced manual reporting effort by **40%** through automated Tableau dashboards.

## EXPERIENCE

### Graduate Teaching Assistant – Data Analysis & Reporting

*Oklahoma State University | Aug 2024 – May 2025*

- Built **Excel dashboards** to track student performance, improving outcomes by **15%**.
- Streamlined **reporting pipelines** with **Python & Excel** for accurate grading.
- Simplified technical topics using **data-driven examples**.

### Data Analyst (Application Development Associate)

*Accenture | Sep 2021 – Aug 2023*

- Performed **data analysis** on **500+ incident records** in ServiceNow, improving **system reliability by 20%**.
- Executed **SQL queries** and **backend data updates** to ensure **data accuracy and integrity**.
- Automated **reporting workflows**, saving **15+ hours/month** and improving **KPI tracking**.
- Delivered **dashboards and business insights** in an **Agile** environment.

## EDUCATION

### Oklahoma State University

**Stillwater, OK**

*Master's in Computer Science*

*Aug 2023 - May 2025*

## CERTIFICATIONS

- Google Data Analytics** Professional Certificate
- Microsoft **Power Platform** Fundamentals (PL-900)
- Microsoft Security, Compliance, and Identity Fundamentals (SC-900)