

# SANDESH ARSUD

Chhatrapati Sambhajnagar, Maharashtra, India

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## TECHNICAL SKILLS

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**Languages:** Python, SQL (CTEs, Window Functions, Joins, Subqueries)

**Databases:** PostgreSQL, MySQL

**Cloud & Data Platforms:** Microsoft Fabric (Lakehouse, Warehouse, Dataflow Gen2), Databricks, AWS (S3, Athena, Glue), GCP (BigQuery)

**BI & Visualization:** Power BI (DAX, Power Query, Dashboard Design), Excel (Pivot Tables, VLOOKUP, Conditional Formatting)

**Libraries:** Pandas, NumPy, Matplotlib

## EXPERIENCE

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### Data Science Trainee

Oct. 2022 – Apr. 2023

*AlmaBetter*

*Remote*

- Completed **20+** technical assessments in SQL, Python (Pandas, NumPy), Power BI, and Excel, demonstrating hands-on proficiency across the core data analytics toolkit
- Executed **exploratory data analysis (EDA)** on structured training datasets using Python (Pandas, NumPy), identifying **data patterns**, handling **null values**, and summarizing **statistical distributions**
- Wrote **SQL** queries daily covering **joins, aggregations, filters, and subqueries** to extract, transform, and summarize structured data across relational datasets

### Data Science & Business Analytics Intern

Feb. 2023 – Mar. 2023

*The Sparks Foundation*

*Remote*

- Analyzed a sports dataset of **756+** records using Python (Pandas, Matplotlib), uncovering a **win-rate pattern** where batting-first teams won **66.7%** of matches compared to **33.3%** for bowl-first teams.
- Developed an **interactive Power BI dashboard** visualizing **revenue and profit** by **product categories and subcategories**, enabling faster identification of **high-performing segments** and cutting manual reporting effort.
- Applied **structured evaluation criteria** to assess peer project submissions, providing actionable written recommendations to improve **analytical quality** across team deliverables.

## PROJECTS

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### End-to-End Retail Sales Analytics | *Microsoft Fabric, Python, SQL, Power BI, DAX* | [View Project](#)

- Built an end-to-end **Bronze, Silver, Gold data pipeline** in **Microsoft Fabric** using **Python (Pandas)** and **Spark**, processing **9,000+** retail records and storing cleaned output as **Delta tables** in a Lakehouse.
- Engineered a **star schema semantic model** in **Microsoft Fabric** using **DataFlow Gen2**, and wrote **10+** **SQL queries** with **CTEs, subqueries, and window functions** via the **SQL Analytics Endpoint** for dimensional retail analysis.
- Deployed a **Power BI dashboard** with **10+** **DAX KPIs** covering profitability, shipping, and customer insights surfacing **West** as the top revenue region at **\$107K** and **Office Supplies** as the highest loss category at **884 loss orders**.

### Walmart Sales Dashboard | *Power BI, Data Visualization* | [View Project](#)

- Built an **interactive Power BI sales dashboard** covering **4 years** of Walmart performance totaling **\$725.46K in revenue**, with **year-over-year profit comparison** from **\$140K (2012)** to a peak of **\$251K (2014)**.
- Segmented **category-level sales data** in **Power BI**, identifying **Phones** as the highest-selling category at **35% of total sales** and **Binders** as the most profitable at **\$16.10K profit**.
- Tracked **monthly revenue and profit trends**, surfacing **December** as both the highest-selling and most profitable month with **\$13.26K profit**.

## EDUCATION

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### International Centre of Excellence in Engineering and Management

Chhatrapati Sambhajnagar, MH

*Bachelor of Engineering – Electrical and Electronics*

*Dec. 2021 – Aug. 2025*

## CERTIFICATIONS & ACHIEVEMENTS

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### Microsoft Certified: Fabric Analytics Engineer Associate | *Issued by Microsoft* | [View Credential](#)

- Learned to build data solutions using **Microsoft Fabric** covering **Lakehouse, Data Pipelines, and semantic models**.

### Full Stack Data Science Certification | *Issued by AlmaBetter* | [View Credential](#)

- Gained foundational to intermediate skills in **Python, SQL, and Data Visualization** through structured coursework and projects.

### Google Data Analytics Professional Certificate | *Issued by Google (Coursera)* | [View Credential](#)

- Built working knowledge of **SQL**, and **Tableau** through guided case studies in data cleaning, analysis, and visualization.

### Problem-Solving Achievement | *SQL*

- Earned **Gold Badge** in **SQL** on **HackerRank** by consistently practicing **joins, window functions, and query writing**.
- Completed **SQL 50** study plan on **LeetCode**, solving curated problems covering **joins, aggregations, subqueries, and filtering**.