Omkar Pallerla

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Professional Summary

Results-oriented Data Professional with a proven track record of bridging the gap between complex data infrastructure and business strategy. Leveraged Power BI, SQL and Looker to automate reporting workflows by 60%, empowering stakeholders with real-time, actionable intelligence that drives measurable growth.

Education

W. P. Carey School of Business at Arizona State University, MS in Business Analytics — Dec 2025, GPA: 4.0/4.0

AISSMS College of Engineering, Pune, India, B.E. Computer Science — May 2021, CGPA: 7.6/10

Work Experience

Business Intelligence Developer, *Datametica Birds - Pune, India* — Feb 2021 – Nov 2024

- **Designed and Developed** 30+dashboards using Tableau, Power BI, and Looker, improving efficiency by 15%.
- **Optimized BI performance**, reducing load times by 40% through data modeling and query optimization, leading to a 30% increase in user satisfaction.
- **Implemented ETL processes using SQL**, ensuring data integrity and reducing discrepancies by 25% across multiple sources.
- **Developed real-time data streaming solutions** using Google Pub/Sub and Dataflow, cutting processing time by 50% and enhancing data reliability.
- **Consolidated data** from SQL databases, cloud platforms, and APIs into centralized BI pipelines, ensuring 99% data accuracy and seamless data integration.
- **Administered and fine-tuned cloud infrastructure** on Google Cloud Platform (GCP), leading to a 25% decrease in operational costs while improving system uptime.
- **Pioneered geospatial analysis** (TopoJSON, BigQuery) to uncover hidden market correlations, slashing regional analysis and reporting time by 60%.

Tableau Intern, *Infonyx - Pune, India* — Aug 2020 – Oct 2020

- **Engineered interactive dashboards and reports** using Tableau and SQL, delivering data-driven insights that improved revenue forecasting accuracy by 25% for an airline client.
- **Executed in-depth data analysis on COVID-19 statistics**, building report that enhanced decision-making speed by 30%.
- **Optimized BI development workflows**, automating data extraction, transformation, and visualization processes, reducing manual efforts by **40%**.
- **Designed dynamic, real-time** Tableau dashboards, improving reporting efficiency and enabling 15% faster business insights

Academic Projects

Capstone Project : Data Analyst, *GripLab AI* — Aug 2025 – Present

- Analyzed a 200-day longitudinal dataset combining metrics from 8-10 unique grip devices, Oura Ring, and Whoop to validate grip strength as a critical, overlooked biomarker for daily recovery.
- Engineered a predictive machine learning model, trained on 200 days of multi-source data, that integrates grip strength with wearable metrics to generate a novel 'Recovery Score'.
- Achieved 10-15 % higher predictive accuracy with the new model compared to conventional, wearable-only recovery scores, proving the value of grip-strength integration.

Capstone Project : Market Research Analyst, *Caliber.Global* — Aug 2025 – Oct 2025

- Improved vendor reporting accuracy by 23% and identified 15% operational efficiency gaps by conducting comprehensive KPI analysis and competitive benchmarking using Python and Tableau.
- Architected a strategic playbook for a new service line, outlining 3 distinct go-to-market strategies and defining 10 core KPIs to enable client performance tracking and expansion.

Skills & Certifications

Languages: Python (NumPy, Pandas, Seaborn, Gurobipy), SQL, Netezza SQL, Snowflake, BigQuery, LookML

Tools: Tableau, Power BI, Looker, QlikView, Qlik Sense, Cloud Monitoring, Microsoft Excel, Git, Jupyter Notebook, VS Code, Minitab, MS Suite, Pub/Sub, Dataflow

Cloud Platforms: Google Cloud Platform, MS Power Platform (Power BI, Power Apps, Power Automate)

Certifications: Azure Data Engineer Associate, Databricks Data Engineer Associate, Google Cloud Associate Cloud Engineer

Research paper: Published findings in a research paper - X-RAY Image Enhancement